AIRS User's Guide

AF4

AFS Data Retrieval

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Office of Air Quality Planning and Standards
Technical Support Division
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1.0   Introduction

This volume describes the use of the AIRS Facility Subsystem (AFS) Data Retrieval features of Browse and Fixed Format Reporting. AIRS, the Aerometric Information Retrieval System, is a computer-based system for handling the storage and retrieval of information pertaining to emissions and compliance data of individual facilities, area and mobile source data, and ambient air quality monitoring data. AFS is the AIRS subsystem managing facility data. It is administered by the U. S. Environmental Protection Agency, Office of Air Quality Planning and Standards, Technical Support Division, National Air Data Branch, located in Research Triangle Park, North Carolina. AIRS is installed on the IBM computer system at EPA's National Computer Center in Research Triangle Park, North Carolina. AIRS employs the ADABAS database management system to manage its data files and the CICS teleprocessing monitor to provide the interface between users and programs.

The purpose of this volume is to describe the operation of the Browse and Fixed Reporting Data Retrieval features of AFS. For Browse, this includes an explanation of how the function works and the description of common features. For Fixed Format Reporting, this includes selection, sort, and output screens, the development of workfiles, and the on-line review of reports developed on the National Computer Center (NCC) computer.

This manual is organized for easy and quick reference to the required function. It provides complete operating procedures for utilizing the AFS data retrieval features. The volume is organized into the following sections:

> Section 2:   Data Retrieval Overview
>
> Section 3:   Browse
>
> Section 4:   Fixed Format Report Generation
>
> Section 5:   Fixed Format Reports
>
> Section 6:   Batch Job Validation Procedures

A toll-free HELPLINE is provide for user support. Users may contact the HELPLINE at 1-800-367-1044.

2.0   Data Retrieval Overview

2.1   AIRS Subsystems

AIRS consists of four subsystems:

> Geographic, Common, and Maintenance Subsystem (Geo-Common) (GCS)
>
> Air Quality Subsystem (AQS)
>
> Aerometric and Mobile Source Subsystem (AMS)
>
> AIRS Facility Subsystem (AFS)

Figure 2-1 illustrates the relationships among the AIRS subsystems and identifies the relevant volumes of the User's Guide.

The Geo-Common Subsystem consists mostly of reference data used by the other subsystems, such as FIPS state codes and emission factors. It is maintained by the AIRS database administrator. Users can generate reports of Geo-Common data but cannot alter its data.

The Air Quality Subsystem (AQS) manages ambient air pollution measurement data collected at thousands of monitoring stations in the United States, its possessions, and trust territories. The Air Quality data include descriptions of air monitoring sites and monitoring equipment, measured concentrations of air pollutants and related parameters, and calculated summary and statistical information.

The Aerometric and Mobile Source Subsystem (AMS) contains aerometric emission inventories for sources of area and mobile air pollution for the United States, its possessions, and trust territories.

The AIRS Facility Subsystem (AFS) contains emissions and regulatory compliance data collected at individual facilities in the United States, its possessions, and trust territories. The data include general information about the emitting site, such as location and type, compliance activity and the annual emissions levels of pollutants.

AFS data are retrieved interactively through on-line access or batch reporting. This volume explains how to use the AFS Browse and Fixed Format Reporting features to retrieve data. Volume AF5 explains how to retrieve data using the Ad Hoc and Milestone Reporting features.

AA1			
AIRS System Description			
(Volume I)			
Air Quality Subsystem	Geographic, Common, and Maintenance (Geo-Common) Subsystem	Facility Subsystem	Aerometric Mobile and Source Subsystem
AQ1: Data Dictionary (Volume V)	GC1: Data Dictionary		AM1: Data Dictionary
AQ2: Coding of Data (Volume II)	GC2: Codes and Values (Volume VII)		AM2: Coding of Data
AQ3: Data Storage (Volume III)	GC3: Data Storage		AM3: Data Storage
AQ4: Data Retrieval (Volume IV)	GC4: Data Retrieval (Volume VI)		AM4: Data Retrieval
AQ5: Ad Hoc Retrieval (Volume XII)			

AF1	AF2	AF3	AF4	AF5
Data Dictionary (Volume XI)	Coding of Data	Data Storage	Data Retrieval	Ad Hoc and Milestone Reporting (Volume XIII)

Figure 2-1   AIRS Subsystems and Relevant User's Guide Volumes

2.2   AFS Data Retrieval

AFS data reporting is provided through the Browse and Fixed Format Reporting features of the subsystem. Flexible reporting is provided by the Ad Hoc and Milestone Reporting features, which are explained in Volume AF5.

To use the data retrieval features, you do not need to have programming skills. However, knowledge of the data structure of the system is mandatory in order for you to ensure that you retrieve the types of data you want.

The Browse feature allows you to retrieve data that are viewed on your terminal screen. With this retrieval method you specify the plant, asbestos contractor, or landfill that you wish to view and the type of data you wish to see. You can maneuver around plants to view various types of data that are stored. The menus are user friendly and are structured the same as the database for ease of operation.

The Fixed Format Reporting feature offers multiple reports that you can run. Each Fixed Format report is designed to retrieve and present specific data of interest, based on the report topic. You must define the medium of the report (on-screen, printed, system workfile), the type of report, and selection parameters for each report. You also specify the number of copies of paper output and the sub-title of the report.

2.3   The AFS Database

Knowledge of the database structure is necessary to ensure the correct data are retrieved. The data on the AFS database are structured into four hierarchical levels: Plant, Stack, Point, and Segment. For each level, there exists many files, each containing a different type of data. These files can be accessed together to form a comprehensive picture of an individual plant or many plants. AFS also automatically references Geo-Common files at retrieval time to develop data such as State Name or descriptions of other system codes.

2.3.1   System Files

The files that contain Plant information are:

> Plant General
> Plant Pollutant
> Plant Air Programs
> Plant Pollutant Air Programs
> Plant Fee Certification
> Plant Mailing Label
> Plant Actions
> Plant Comments
> Plant Asbestos

The files that contain Stack information are:

> Stack General
> Stack Pollutants
> Stack Comments

The files that contain Point information are:

> Point General
> Point Pollutant
> Point Air Programs
> Point Monitor
> Point Continuous Emissions
> Point Tank
> Point Actions
> Point Comments

The files that contain Segment information are:

> Segment General
> Segment Pollutant
> Segment Chemical
> Segment Projected Pollutant
> Segment Comments

2.3.2   Secured Data

Certain data in AFS can be defined as private or confidential by the organization supplying them. Private data are available only to the eyes of state users from the states classifying their data as "state private". Confidential data are available to any user who has confidential access defined on their User ID. Confidential data can be excluded from being reported by specifying its exclusion from a specific report. Examples where exclusions would be specified are Freedom of Information (FOI) reports or reports made public to the general population.

Retrieval access to state private data is determined by the state to which your User ID is assigned. Confidential data retrieval access is determined by the level of security that is assigned to your User ID and the geographic area for which you are given confidential data access.

2.3.3   Archiving Data

Each file in the system, as described in Section 2.3.1, actually exists as two separate files; the "current" file and the "archive" file. This was done to improve the efficiency of data access because the data volume is large. Plants will reside on both current and archive files if there are current emissions and historical emissions data. Plants will reside only on the archive files if they have been permanently archived by the owner of the data. A permanent archive action removes the plant data from the current files and places it on the archive files.

2.4   AFS Fixed Format Reports

The following fixed format reports are currently available:

Table 2-1   Fixed Format Reports

REPORT NUMBER	REPORT NAME
615	AFS Plant Compliance Summary
619	AFS Action Inventory
627	AFS Plant Compliance Inventory
632	AFS Class Code Verification
633	AFS Emissions by SIC Report
634	AFS Emission Ranking/Pollutant
643	AFS Distribution of Emissions
644	AFS Plant Emissions Inventory
645	AFS Missing Information Report
646	AFS Critical Data Elements
649	AFS County Point Source Summary
650	AFS Emission by SCC
651	AFS Data Completeness Reports
652	EPS Workfile
680	AFS Enforcement Action Summary
682	AFS Continuous Emissions Report
684	Mailing Labels

2.5   Registration and Equipment Requirements

Any governmental or private organization with access to the NCC-IBM computer system may retrieve facility data from the AFS database. AFS can handle confidential as well as public data, so access to certain data may be restricted. Refer to Section 2.3.2.

In order to access AFS, you must have access to NATURAL and AIRS on the NCC-IBM. An individual is identified to AIRS by the User ID assigned by the EPA National Computer Center. If you do not a valid NCC-IBM User ID or access to NATURAL and AIRS, contact the TSSMS Office of the National Computer Center or the AIRS database administrator to find out how to obtain one. Volume I of the AIRS User's Guide contains a list of contact names and phone numbers.

To use AIRS, you need to equivalent of an IBM 3270 Model 2 Terminal connected to the NCC-IBM computer system through the EPA telecommunications network. The optimal configuration is a 3270-type terminal or a personal computer with a 3270-type emulation card and a high speed communications line. An alternative is the National Computer Center's protocol converter, called the "TCP", which provides 3270 emulation for many brands of asynchronous terminals. You could use a personal computer with asynchronous communications equipment for a terminal, but a PC emulating an asynchronous terminal emulating a 3270 terminal may be too complicated to be useful. The minimum acceptable telecommunications speed is 1200 bps. Higher speeds of 2400 bps or 9600 bps are preferable. Contact the National Computer Center for information about the types of terminal or communications equipment best suited for your needs.

2.6   General Conventions and Procedures

This section explains the general conventions and normal procedures used by the AIRS Facility Subsystem
Browse and Fixed Format Reporting features.

2.6.1   Standard PF keys

All Browse and Fixed Format Reporting screens employ Program Function (PF) keys as a means for you to
operate the system. Depending upon the screen, there are as many as seven different function key operations
that are available. The functions keys that are valid for each screen, are displayed at the bottom of the screen.

The function keys that are available are:

PF3=END   The PF3 key terminates the current function and returns you to the previous key
                             input screen or preceding menu option screen.

PF4=MAIN MENU   The PF4 key terminates the current function and returns you to the AFS Main Menu.
                             If you are already at the AFS Main Menu, the PF4 key returns you to the AIRS
                             Main Menu.

PF5=TERMINATE   The PF5 key terminates your AFS session and returns you to the Production CICS
                             screen.

PF6=PAGE UP   The PF6 key returns you to the first page of a multiple page screen.

PF7=BACK   The PF7 key returns you to the preceding page of a multiple page screen when you
                             are within a series of screens with the same format.

PF8=FORWARD   The PF8 key forwards you to the next page of a multiple page screen when you are
                             within a series of screens with the same format.

PF10=NEXT   The PF10 key moves the cursor to the NEXT SCREEN position on the screen.

2.6.2   Other Special Keys

Two other special keys on a 3270-type keyboard are important for AFS.

The **ENTER** key causes the information on the screen to be passed to the AFS program for processing. After
processing the information, the program may re-display the same screen or a different screen. In essence, the
ENTER key tells a program to process the current screen and then do the next thing in logical sequence.

The **CLEAR** key aborts the active AIRS/AFS session and then starts a new AIRS session. Activities pending
at the time of the "CLEAR" command will not be completed properly.

2.7   AIRS Logon Procedures

This section explains how to begin an AIRS terminal session.

2.7.1   TCP Logon

The following instructions are for using the protocol converter, or "TCP", to simulate a 3270-type terminal.
If you are using a 3270-type terminal, skip this section and proceed to Section 2.7.2.

1.   Prepare your equipment for use by turning on power, adjusting terminal settings, executing your PC's
        communications program, or any other necessary preliminaries. If you do not already know what
        communications parameter to use, contact the National Computer Center for assistance.

2.   Dial the appropriate phone number and establish connection with the EPA telecommunications
        network. Contact the National Computer Center for the phone number or any other assistance needed
        with this step.

3.   Once the connection has been made, press <ENTER> once or twice until the message "Welcome to
        the Environmental Protection Agency National Computer Center..." is displayed on your terminal.
        The complete text of the message is shown in Figure 2-2.

4.   Type "TCP" to choose the 3270 emulation option and press <ENTER>. The message "Connected"
        will appear on the screen. See Figure 2-2.

```
        Welcome to the Environmental Protection Agency National Computer Center

                        Please enter one of the following selections:

                                IBMPSI for IBM
                                TCP for 3270 EMULATION
                                VAXA for VAX SYS A
                                VAXB for VAX SYS B
                                MAIL for ALL-IN-1


Enter selection:  tcp

Connected.
```

Figure 2-2   TCP Logon Screen (when Signon character is known)
User responses are underlined.

5.　　If you know the "initial signon character of your terminal, type it three or four times at half-second intervals until the TCP responds by clearing the screen and displaying a message. Type only the signon character; **do not** press <ENTER>. Typical signon characters are "m" for a DEC VT-100 terminal and "]" for a Televideo 950 terminal. Proceed to Step 6.

If you **do not** know the "initial signon character" for your terminal, press <ENTER> three or four times at half-second intervals until the TCP responds with the message ">>COMMTEX Cx-80 DATA EXCHANGE<<" and follow the instructions displayed on the screen. Figure 2-3 shows an example of this procedure.

```
  >> COMMTEX Cx-80 DATA EXCHANGE >>

ENTER YOUR TERMINAL'S CX-80 DEVICE TYPE IF YOU
ALREADY KNOW IT. IF NOT, TYPE 'H' FOR HELP.

?h

ENTER K IF USING A KEYBOARD/DISPLAY TERMINAL,
        T IF USING A TELEPRINTER, OR
        C IF USING A MICRO COMPUTER.

?k

PLEASE ENTER THE FIRST LETTER OF THE NAME OF THE COMPANY THAT
MANUFACTURES YOUR KEYBOARD/DISPLAY.

?d

ENTER Y FOR YES, N FOR NO. IS IT:

DATA GENERAL? n
DATAGRAPHIX? n
DATAMEDIA? n
DATAPOINT? n
DEC? y

IS IT A MODEL:

VT52? n
VT100 WITHOUT ADVANCED VIDEO OPTION? y

THE Cx-80'S DEVICE TYPE FOR THE VT100 WITHOUT ADVANCED VIDEO OPTION
IS THE NUMBER '20'. FOR FASTER SIGN-ONS, RESPOND WITH THIS NUMBER TO THE
INITIAL Cx-80 DEVICE TYPE PROMPT.
TYPE 'R' TO RESTART YOUR SIGN-ON, ANY OTHER KEY
TO CONTINUE.
```

Figure 2-3　TCP Logon Session (when Signon character is unknown)
User responses are underlined.

6.   When Step 5 is completed, the TCP knows the kind of terminal you are using and responds by
        displaying the message "** Cx-80 VER 04.83 ** ". The version number may change as the TCP
        is updated. Don't do anything while this message is displayed; just wait patiently. After a few
        seconds, you will see the "WELCOME" screen which is shown in Figure 2-4. Your terminal is
        now effectively a 3270-type and procedures from this point on are the same as for a 3270
        terminal. Type "AIRS" at the cursor and press <ENTER>. The CICS Logon screen (Figure 2-5)
        will appear. Go to Section 2.7.2 to continue the logon process.

```
                           WELCOME TO THE
              U.S. ENVIRONMENTAL PROTECTION AGENCY
                     TELECOMMUNICATIONS NETWORK

                     TERMINAL ID:  T2410920

                     ENTER COMMAND TO LOGON
```

Figure 2-4   EPA Welcome Screen

```
   ZZSNSHT            U.S. Environmental Protection Agency          Date: 09/08/92
                          PRODUCTION CICS logon                     Time: 14:32:21

  +------------------------------------------------------------------------------+
    Enter USERID and PASSWORD and then press ENTER.

      USERID      ===>

      PASSWORD    ===>                    NEW PASSWORD ===>

    Change other logon parameters (Y/N) ===> N    Cancel (Y/N) ===> N
  +------------------------------------------------------------------------------+




   Command ===>
   F1/F13=Help   F3/F15=Exit
```

Figure 2-5   CICS Logon Screen

2.7.2   CICS Logon Procedures

This section explains how to gain access to the AIRS/AFS system.

BEFORE LOGGING ONTO AIRS, PLEASE NOTE:

If you are entering through the TCP, execute Steps 5 through 9.

If you are **not** entering through the TCP and this is the first time for you to log onto AIRS, execute Steps 1 and 4 and Steps 5 through 9.

If you are **not** entering through the TCP and have previously established a connection to AIRS, execute Steps 1 through 4 and Steps 8 through 9.

On the EPA Menu System screen (Figure 2-6):

1.   At the Command ===> prompt, type "AIRS".
2.   At the USERID ===> prompt, type your three-digit User ID.
3.   At the PASSWORD ===> prompt, type the password that is associated with your User ID.
4.   Press <ENTER>.

```
  NETMAIN                U.S. Environmental Protection Agency     Date:     09/08/92
                                Menu System                       Time:      13:15:48
                                                                  Terminal: T060055
                                                                  Logmode:   S3278R2
   Please enter selection or command and then press ENTER.

      1. INFORMATION    News Alerts and User Memos
      2. SYSTEM MENU    System Selection Menu
      3. MAIL           EPA Electronic Mail for 3270
      4. APPLICATIONS   EPA Applications Menu
      5. INTER-AGENCY   Inter-Agency Applications Menu
      6. PUBLIC         Public Access Applications Menu

   WARNING: The use of this computer is for official Government business only.
   Unauthorized use of this computer is a criminal offense under Title 18
   United States Code, Section 641, and may subject violators to a fine of
   up to $10,000, or imprisonment of up to 10 years, or both.

  Command ===>  AIRS

   Optional Quick Logon - USERID   ===>  GDA
                          PASSWORD ===>

  F1/F13=Help   F5/F17=Refresh   F12/F24=Cancel
```

Figure 2-6   EPA Menu System Screen

On the CICS Logon screen (Figure 2-7):

5.   At the USERID ===> prompt, type your three digit User ID.

6.   At the PASSWORD ===> prompt, type the password that is associated with your User ID.

          If you are a first time user:

                    You will need to change your password. Enter the original password at the PASSWORD
                    prompt and a new password that you create at the NEW PASSWORD prompt. After you
                    press <ENTER>, the system will ask you to verify the new password. Re-key your new
                    password at the NEW PASSWORD prompt and press <ENTER>. Your new password
                    must consist of at least six digits and not more than eight digits. It must contain at least
                    one alphanumeric character and one numeric character.

                    You will receive another screen that requests you to provide the system with accounting
                    information. Enter the information. If you do not know what data to provide for the
                    prompts on the screen, contact the AFS administrator.

7.   Press <ENTER>.

```
  ZZSNSHT             U.S. Environmental Protection Agency          Date: 09/08/92
                          PRODUCTION CICS logon                     Time: 14:32:21

  +---------------------------------------------------------------------------+
    Enter USERID and PASSWORD and then press ENTER.

      USERID      ===>  GDA

      PASSWORD    ===>                    NEW PASSWORD ===>

    Change other logon parameters (Y/N) ===> N    Cancel (Y/N) ===> N
  +---------------------------------------------------------------------------+






  Command ===>
  F1/F13=Help   F3/F15=Exit
```

Figure 2-7   CICS Logon Screen

On the AIRS Subsystem Menu screen (Figure 2-8):

8.   Enter "2" for Facility (AFS) at the PLEASE ENTER SELECTION prompt.
9.   Press <ENTER>.

```
 09/08/92              Aerometric Information Retrieval System           AAP000
                                   Subsystem Menu



                          1.   Air Quality (AQS)

                          2.   Facility (AFS)

                          3.   Area Mobile Source (AMS)

                          4.   Geographic/Common (GCS)


                   Please Enter Selection:   2



         PF3=end                                           PF5=terminate

```

Figure 2-8   AIRS Subsystem Menu Screen

The AFS Main Menu (Figure 2-9) will appear. Instruction on using the Browse feature is found in Section 3 of this manual. Instruction on using the Fixed Format Reporting feature is found in Section 4.

```
DATE  :  09/08/92          AIRS FACILITY SUBSYSTEM              PGM:  AFP000
                              MAIN MENU                         MAP:  AFM0001
===============================================================================


                       1    UPDATE THE DATABASE
                       2    BROWSE THE DATABASE
                       3    SELECT A REPORT
                       4    SELECT A UTILITY


                       ENTER MENU SELECTION:  __



        NEED ASSISTANCE? CALL THE AFS HELPLINE AT 1-800-367-1044


  PF3=END    PF4=SUBSYSTEM MENU    PF5=TERMINATE
```

Figure 2-9   AFS Main Menu Screen

2.8   AIRS Logoff Procedures

The AIRS logoff procedures are explained for both CICS (Section 2.8.1) and TCP (Section 2.8.2). If you
are a TCP user, you must execute a CICS logoff prior to disconnecting from TCP.

2.8.1   CICS Logoff

When you are ready to end your AIRS/AFS session, press <PF5> to send a terminate message to the
system. You will receive the EPA CICS Menu System screen shown in Figure 2-10. Type "4" at the
Command prompt and press <ENTER> to exit. You will receive the EPA Menu System screen (Figure 2-
11). You have effectively disconnected your CICS connection.

```
 ZZMNMP1              U.S. Environmental Protection Agency       Date: 09/08/92
                        Production   CICS Menu System            Time: 14:31:45
                                                                 Terminal: T060055

 XX     XX    XXXXXX    XXXXXX        XX    XXXXXX   XXXXX    XXXXXX    XXXXXX
 XXX    XX   XXXXXXXX  XXXXXXXX       XX   XXXXXXXX  XXXXX   XXXXXXXX  XXXXXXXX
 XXXX   XX   XXX       XXX           XX    XXX       XXX     XXX       XXX
 XX XX  XX   XXX       XXX          XX     XXX       XXX     XXX       XXX
 XX  XX XX   XXX       XXX          XX     XXX       XXX     XXX       XXX
 XX   XXXX   XXX       XXX         XX      XXX       XXX     XXX       XXX
 XX    XXX   XXXXXXXX  XXXXXXXX   XX       XXXXXXXX  XXXXX   XXXXXXXX  XXXXXXXX
 XX     XX   XXXXXX    XXXXXX   XX         XXXXXX    XXXXX    XXXXXX    XXXXXX

   Please enter selection or command and then press ENTER.

     1. INFORMATION    News Alerts and User Memos
     2. SIGN-ON        Change CICS Sign-on Parameters
     3. APPLICATIONS   EPA Applications Menu for CICS
     4. EXIT           Exit CICS and return to EPA Menu System



  Command  ===> 4
  F1/F13=Help   F3/F15=Exit   F10/F22=Lock    F12/F24=CICS <cmd>
```

Figure 2-10 EPA CICS Menu System Screen

```
  NETMAIN               U.S. Environmental Protection Agency    Date:     09/08/92
                               Menu System                      Time:     13:15:48
                                                                Terminal: T060055
                                                                Logmode:  S3278R2
  Please enter selection or command and then press ENTER.

     1. INFORMATION    News Alerts and User Memos
     2. SYSTEM MENU    System Selection Menu
     3. MAIL           EPA Electronic Mail for 3270
     4. APPLICATIONS   EPA Applications Menu
     5. INTER-AGENCY   Inter-Agency Applications Menu
     6. PUBLIC         Public Access Applications Menu

  WARNING: The use of this computer is for official Government business only.
  Unauthorized use of this computer is a criminal offense under Title 18
  United States Code, Section 641, and may subject violators to a fine of
  up to $10,000, or imprisonment of up to 10 years, or both.

  Command ===>

   Optional Quick Logon - USERID   ===>
                          PASSWORD ===>

  F1/F13=Help   F5/F17=Refresh   F12/F24=Cancel
```

Figure 2-11 EPA Menu System Screen

2.8.2   TCP Disconnect

If you are using the TCP (protocol converter) to simulate a 3270-type terminal, you should disconnect
from the protocol converter when you have ended your CICS session which is explained in Section 2.8.1.

The TCP has a limited number of ports, when you disconnect your terminal, the port you have been using
becomes available to other users. To disconnect from the TCP, hold down the CONTROL key and press
the Y key. The TCP clears the screen and displays the message "*Cx-80 DISCONNECT*", and
disconnects from the telecommunications line.

3.0   Browse

The Browse feature is easy to use. You maneuver through the system menus and selection screens with the use of the PF keys and the ENTER key. Error messages are displayed in response to invalid activities being performed or to invalid data being entered. The error messages are presented at the top of the screen and are self explanatory. An example is shown on the top line of Figure 3-1. The error message was generated because an option number ("8") was entered incorrectly.

This section explains how the Browse feature works. Sample Browse screens are presented. Not every screen for each file is presented because the basic operating concepts apply to all screens for the Browse feature.

```
    INVALID SELECTION - PLEASE ENTER 1, 2, 3, OR 4
    09/08/92             Aerometric Information Retrieval System          AAP000
                                 Subsystem Menu



                         1.   Air Quality (AQS)

                         2.   Facility (AFS)

                         3.   Area Mobile Source (AMS)

                         4.   Geographic/Common (GCS)


                    Please Enter Selection:   8



         PF3=end                                           PF5=terminate
```

Figure 3-1   Error Message Example

3.1   Accessing Browse

During the logon procedure outlined in Section 2.7, you logged onto AIRS/AFS and received the AIRS Facility Subsystem Main Menu (Figure 3-2). The Browse feature is accessed from this menu. Select option 2 (Browse The Database) and press <ENTER>.

```
 DATE  :  09/08/92           AIRS FACILITY SUBSYSTEM             PGM:  AFP000
                                  MAIN MENU                      MAP:  AFM0001
 =============================================================================


                           1    UPDATE THE DATABASE
                           2    BROWSE THE DATABASE
                           3    SELECT A REPORT
                           4    SELECT A UTILITY


                           ENTER MENU SELECTION:   2_




           NEED ASSISTANCE? CALL THE AFS HELPLINE AT 1-800-367-1044



    PF3=END    PF4=SUBSYSTEM MENU    PF5=TERMINATE
```

Figure 3-2   AFS Main Menu Screen

Depending on how your User ID is defined for security access, you can receive up to three window query screens. They ask you to confirm the presentation of Draft SIP data, state private data, or confidential data in your retrievals (Figures 3-3, 3-4, 3-5).

The settings that you select will be in effect for your entire on-line session.

If your AFS user profile allows you to access confidential data, you will receive confidential data on your retrieval screens if you answer "Y" (Yes) in the query window. If you answer "N" (No), you will not receive confidential data on your retrieval screens.

If your AFS user profile allows you to access private data for a state, you will receive private data for that state on your retrieval screens if you answer "Y" (Yes) in the query window. If you answer "N" (No), you will not receive state private data for that state on your retrieval screens.

If you answer "Y" (Yes) in the query window for Draft SIP data you will receive the data elements associated with the Draft SIP program on your retrieval screens. If you answer "N" (No), you will not receive these data elements on your retrieval screens.

```
DATE  :  09/08/92          AIRS FACILITY SUBSYSTEM              PGM:  AFP000
                               MAIN MENU                        MAP:  AFM0001
================================================================================


                        1    UPDATE THE DATABASE
         +---------------------------------------------------------+

               DO YOU WISH DRAFT SIP INVENTORY DATA TO BE
               INCLUDED IN YOUR RETRIEVALS? (Y/N)

            THIS SETTING WILL BE IN EFFECT FOR YOUR ENTIRE SESSION.
            YOU MUST LOG OUT OF AFS TO CHANGE YOUR SETTING.

         +---------------------------------------------------------+


          NEED ASSISTANCE? CALL THE AFS HELPLINE AT 1-800-367-1044



   PF3=END    PF4=SUBSYSTEM MENU    PF5=TERMINATE

```

Figure 3-3   Draft SIP Inventory Data Query Window

```
DATE  :  09/08/92          AIRS FACILITY SUBSYSTEM              PGM:  AFP000
                               MAIN MENU                        MAP:  AFM0001
================================================================================


                        1    UPDATE THE DATABASE
          +----------------------------------------------------------+

                DO YOU WISH STATE PRIVATE DATA TO BE
                INCLUDED IN YOUR RETRIEVALS? (Y/N)

             THIS SETTING WILL BE IN EFFECT FOR YOUR ENTIRE SESSION.
             YOU MUST LOG OUT OF AFS TO CHANGE YOUR SETTING.

          +----------------------------------------------------------+


           NEED ASSISTANCE? CALL THE AFS HELPLINE AT 1-800-367-1044



   PF3=END    PF4=SUBSYSTEM MENU    PF5=TERMINATE

```

Figure 3-4   State Private Data Query Window

```
 DATE  :  09/08/92            AIRS FACILITY SUBSYSTEM               PGM:  AFP000
                                    MAIN MENU                       MAP:  AFM0001
 ===============================================================================



                        1    UPDATE THE DATABASE
            +------------------------------------------------------+

                  DO YOU WISH CONFIDENTIAL DATA TO BE
                  INCLUDED IN YOUR RETRIEVALS? (Y/N)

               THIS SETTING WILL BE IN EFFECT FOR YOUR ENTIRE SESSION.
               YOU MUST LOG OUT OF AFS TO CHANGE YOUR SETTING.


            +------------------------------------------------------+


            NEED ASSISTANCE? CALL THE AFS HELPLINE AT 1-800-367-1044



    PF3=END    PF4=SUBSYSTEM MENU    PF5=TERMINATE
```

Figure 3-5   Confidential Data Query Window

After answering the questions, the AFS Identification screen (Figure 3-6) will appear. You must specify a plant, asbestos contractor or landfill that you wish to browse. With the Browse feature, you may only retrieve one plant, asbestos contractor or landfill at a time.

```
  DATE  : 09/08/92          AIRS FACILITY SUBSYSTEM            PGM:  AFN00001
  SCREEN:  000                   IDENTIFICATION                 MAP:  AFM0002
  ============================================================================
  PLEASE ENTER (ONE) PLANT IDENTIFICATION:
        CDS PLANT ID (STATE/COUNTY/PLANT) ..... :   __ / ___ / _____
        NEDS PLANT ID (STATE/COUNTY/PLANT) .... :   __ / ___ / ____
        EPA ID ................................ :   _____
        DUN & BRADSTREET NUMBER ............... :   _____
        STATE REGISTRATION   (ST/ST REG NO.) .. :   __ / _____
        STATE:  __     PLANT NAME ... :  _____

        YEAR OF EMISSIONS INVENTORY (OR ANY ALPHA-CHAR(S) FOR CURRENT YEAR) : __

  OR ENTER (ONE) ASBESTOS CONTRACTOR IDENTIFICATION:
        CONTRACTOR I.D.(STATE/CONTRACTOR):   __ / _____
        STATE:  __     CONTRACTOR NAME:  _____

  OR ENTER (ONE) LANDFILL IDENTIFICATION:
        LANDFILL EPA I.D. ..................... :  _____
        STATE:  __     LANDFILL NAME  :  _____


   PF3=END  PF4=MAIN MENU  PF5=TERMINATE
```

Figure 3-6   AFS Identification Screen

3.2   Browsing a Plant

To browse a plant, you must identify the plant on the AFS Identification screen (Figure 3-6). You can specify the plant by one (and only one) of the following identification numbers: CDS Plant ID, NEDS Plant ID, EPA ID, Dun & Bradstreet Number, or State Registration number.

For the CDS Plant ID, NEDS Plant ID and Plant Registration options, the state field must be a two-digit numeric state code or a state abbreviation. For example, Connecticut is "CT" or "09".

If you select an emissions plant, the year of emissions inventory field must contain a value. The system allows you to retrieve a specific year of emissions record for emissions plants, whether it be a current record or a historical record. Enter the two-digit year in the field. If you want to retrieve the most recent record, you may type in any two alphanumeric characters.

If you wish to select a compliance plant that has been merged to an emissions plant and want to see a specific year of emissions record, you must specify that year. If you don't specify the year, you will receive the most current emissions information.

When selecting a compliance plant that is not merged to an emissions plant or a compliance plant whose merge status is unknown, leave the year of emissions inventory field blank.

If you do not know any identification fields for the plant, but do know the state and the name (or part of the name), you can use the State/Plant Name search feature which is the sixth selection option of the Plant Identification section. Specify the state code or state abbreviation and as much of the plant name you are certain exists in AFS. In our example, we specify state "09" and plant name "electric". The system will search the files for any plant in state 09 with "electric" as part of its name. Figure 3-7 shows that the system found a match and presents some data about the plant. Selected facilities will be shown one at a time. You must make one choice: to accept that plant, to have the system continue searching for another plant in state 09 with the "electric" in its name, or to re-specify your search criteria. If you choose to re-specify, you will be returned to the AFS Identification screen.

Once you have successfully retrieved a plant by any of the six available methods, you will be presented with the Browse Menu (Figure 3-8).

```
DATE  :  09/08/92          AIRS FACILITY SUBSYSTEM              PGM:  AFN00001
SCREEN:    +----------------------------------------------+      MAP:  AFM0002
=========                                                  ====================
PLEASE EN   A MATCH OF THE NAME YOU REQUESTED HAS
      CDS   BEEN FOUND.  THE NAME FOUND ON FILE IS            _____
      NED                                                     ____
      EPA   SAM'S ELECTRICAL MFG                              __
      DUN   989 TOWN RD
      STA   BRIDGEPORT                                        _____
      STA                                                     _____
            COUNTY CODE:  001
      YEA   COUNTY NAME:  FAIRFIELD CO                      CURRENT YEAR) : __

OR ENTER    CDS PLANT ID, IF ANY:  09929
      CON   NEDS PLANT ID, IF ANY:  9929                      _
      STA                                                     _____
            YEAR OF EMISSIONS INVENTORY, IF ANY:  90
OR ENTER
      LAN   YOU CAN ACCEPT RECORD  _  (Y/N)                   __
      STA      CONTINUE SEARCHING  _  (Y/N)                   _____
               RESPECIFY THE NAME  _  (Y/N)

 PF3=END   +----------------------------------------------+
```

Figure 3-7   Plant Name Search Example

```
DATE  :  09/08/92          AIRS FACILITY SUBSYSTEM              PGM:  AFP004
SCREEN:  004                   BROWSE MENU                      MAP:  AFM0041
===============================================================================



                      1    PLANT INFORMATION (050)
                      2    STACK INFORMATION (054)
                      3    POINT INFORMATION (056)
                      4    SEGMENT INFORMATION (058)


                      ENTER MENU SELECTION:  _






 PF3=END  PF4=MAIN MENU  PF5=TERMINATE  PF10=NEXT            NEXT SCREEN: ___
```

Figure 3-8   Browse Menu Screen

If you make a mistake in specifying your criteria for retrieving a plant, you will receive an error message at the top of the AFS Identification screen. The error messages are listed below in alphabetical order.

EITHER ALPHA-CHARACTER OR YEAR (YY FORMAT) IS REQUIRED.
You identified a plant by its NEDS ID and left the Year of Emissions Inventory field blank. For emission plants, you must specify alpha characters or year of emissions value.

FACILITY DOES NOT EXIST FOR YEAR ENTERED.
The plant that you specified is on the file, but not for the year of emissions inventory that you specified. Either enter two alphabetic characters to retrieve the most current record or respecify the year of emissions inventory to be selected.

INVALID COUNTY FOR STATE SPECIFIED.
The state and county combination are not valid. Correct the county code or state code/abbreviation.

INVALID DUN AND BRADSTREET NUMBER - FORMAT XXXXXXXXX.
The number must be specified for its full nine characters.

INVALID PLANT ID.
The Plant does not exist on the file. Check that you specified the State, County and Plant ID combination correctly. [The system assumes that the State and County were specified correctly and that the Plant ID was incorrectly entered, hence the wording of the message. However, the error could be in the State or County that was specified.]

INVALID STATE.
You specified a state code or state abbreviation that is not valid.

INVALID YEAR OF EMISSIONS INVENTORY.
You did not enter a numeric or alphabetic value for Year of Emissions Inventory.

NO COMPLIANCE PLANTS EXIST W/SPECIFIED NAME, CHECK YR FOR EMIS.
You specified a compliance plant name by leaving the Year of Emissions Inventory field blank. This plant does not exist as a compliance plant. If it exists as an emissions plant, you must specify a value in the Year of Emissions Inventory field.

NO PLANTS EXIST WITH SPECIFIED NAME.
The plant you specified is not on the file. Check the Year of Emissions field to ensure you are requesting the plant correctly.

PLANT DOES NOT EXIST.
The system could not find the plant by the EPA ID, Dun & Bradstreet number, or State Registration number that was specified. This message also appears if you identify an emission plant (NEDS ID) with a Year of Emissions value that is not associated with the plant; the plant does not exist on the file with that Year of Emissions value.

REQUESTED FUNCTION KEY NOT ALLOCATED.
You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, and PF5.

SELECT ANOTHER IDENTIFIER.
You pressed <ENTER> without out specifying any criteria; the screen is not filled in. Specify your selection criteria.

SELECT ONE IDENTIFIER ONLY.
You attempted to select a plant by using more than one method to select it; for example, specifying a NEDS ID and a CDS ID. Request a plant by one method only.

STATE AND NAME ARE BOTH REQUIRED.
You did not specify both State and Plant Name when requesting a plant.

STATE AND STATE REGISTRATION ARE BOTH REQUIRED.
You did not specify both fields to identify the plant.

STATE, COUNTY, AND PLANT ID ARE ALL REQUIRED.
You did not complete all fields to identify the plant.

YEAR MUST BE BLANK OR ALPHA-CHARACTER FOR COMPLIANCE FACILITY.
You identified a plant by its CDS ID and specified a year in the Year of Emissions Inventory field. For compliance plants, you must specify blanks or alpha-characters only.

Each selection on the Browse Menu has a menu screen. These selections represent the four hierarchies of the system database. They are:

Plant Information (Figure 3-9)
Stack Information (Figure 3-10)
Point Information (Figure 3-11)
Segment Information (Figure 3-12)

The selections on each of these menus represent the files in AFS. You retrieve plant data on a file by file basis. Section 2.3 explains the AFS database structure.

```
 DATE  :  09/08/92        AIRS FACILITY SUBSYSTEM - BROWSE       PGM:  AFP050
 SCREEN:  050                     PLANT INFORMATION              MAP:  AFM0501
 ================================================================================

                      1    GENERAL INFORMATION (500)
                      2    POLLUTANT INFORMATION (501)
                      3    AIR PROGRAMS (502)
                      4    POLLUTANT AIR PROGRAMS (503)
                      5    HISTORICAL COMPLIANCE INFORMATION (504)
                      6    FEE CERTIFICATION (505)
                      7    MAILING LABEL INFORMATION (506)
                      8    ACTIONS (507)
                      9    COMMENTS (508)
                     10    ASBESTOS INFORMATION (052)
                     11    PLANT SUMMARY (509)


                      ENTER MENU SELECTION:  __



  PF3=END  PF4=MAIN MENU  PF5=TERMINATE  PF10=NEXT         NEXT SCREEN: ___
```

Figure 3-9   Plant Information Screen

```
 DATE  :  09/08/92        AIRS FACILITY SUBSYSTEM - BROWSE       PGM:  AFP054
 SCREEN:  054                     STACK INFORMATION              MAP:  AFM0541
 ================================================================================


                      1    GENERAL INFORMATION (520)
                      2    POLLUTANT INFORMATION (521)
                      3    COMMENTS (522)


                      ENTER MENU SELECTION:  _








  PF3=END  PF4=MAIN MENU  PF5=TERMINATE  PF10=NEXT         NEXT SCREEN: ___
```

Figure 3-10 Stack Information Screen

```
DATE  :  09/08/92        AIRS FACILITY SUBSYSTEM - BROWSE        PGM:  AFP056
SCREEN:  056                    POINT INFORMATION               MAP:  AFM0561
================================================================================


                    1    GENERAL INFORMATION (530)
                    2    POLLUTANT INFORMATION (531)
                    3    AIR PROGRAMS (532)
                    4    HISTORICAL COMPLIANCE INFORMATION (533)
                    5    MONITOR INFORMATION (534)
                    6    CONTINUOUS EMISSIONS (535)
                    7    TANK INFORMATION (536)
                    8    ACTIONS (537)
                    9    COMMENTS (538)


                    ENTER MENU SELECTION:  _




  PF3=END   PF4=MAIN MENU   PF5=TERMINATE   PF10=NEXT          NEXT SCREEN: ____
```

Figure 3-11 Point Information Screen

```
DATE  :  09/08/92        AIRS FACILITY SUBSYSTEM - BROWSE        PGM:  AFP058
SCREEN:  058                   SEGMENT INFORMATION              MAP:  AFM0581
================================================================================


                    1    GENERAL INFORMATION (540)
                    2    POLLUTANT INFORMATION (541)
                    3    CHEMICAL INFORMATION (542)
                    4    PROJECTED POLLUTANT INFORMATION (544)
                    5    COMMENTS (543)

                    ENTER MENU SELECTION:  _






  PF3=END   PF4=MAIN MENU   PF5=TERMINATE   PF10=NEXT          NEXT SCREEN: ____
```

Figure 3-12 Segment Information Screen

Let's browse General Information on the Plant level for Sam's Electrical Manufacturing. Select option 1 (Plant Information) on the Browse Menu and option 1 (General Information) on the Plant Information screen. Figure 3-13 represents the data you will see on your terminal. This file contains multiple information screens. In AFS, the MORE caption at the lower right corner of the screen tells you that there are more screens to view. You may use the PF keys to END, return to the MAIN MENU, or TERMINATE or you may proceed to retrieve the next screen by pressing <ENTER>. The second information screen also has MORE (Figure 3-14). So press <ENTER> after you have viewed this screen to receive the next and last screen (Figure 3-15). At this point, if you press <ENTER> you will be returned to the Plant Information menu to make another selection. If you know where in the system you want to go, you may want to use the "Next Screen" feature instead of returning to the menu.

```
 DATE  :  09/08/92        AIRS FACILITY SUBSYSTEM - BROWSE       PGM:  AFP500
 SCREEN:  500                 GENERAL PLANT INFORMATION          MAP:  AFM5001
 ===============================================================================
 CDS:  09929  NEDS: 9929    DUN & BRADSTREET: 123456789    EPA ID: CTD001123567
 -------------------------------------------------------------------------------
  DATE PLANT INFORMATION LAST UPDATED (YYMMDD) :  92/04/10    ( 92/08/21 - WSH )

  PLANT NAME ... : SAM'S ELECTRICAL MFG
  STREET ADDRESS : 989 TOWN RD
  CITY ......... :        - BRIDGEPORT                  ZIP CODE:  06610-
  COUNTY ....... : 001 - FAIRFIELD CO                   ST: CT AQCR: 42  REG: 01

  STANDARD INDUSTRIAL CLASSIFICATION
                              PRIMARY  : 3699 - ELECTRICAL EQUIPMENT & SUPPLY
                              SECONDARY:      -
                              TERTIARY :      -

  AMBIENT MONITORING INFORMATION ..... :    SOURCE MONITORING INFORMATION:
  INSPECTOR ......................... :     -
  LOCAL CONTROL REGION .............. :    REGIONAL PLANNING AGENCY ... :


  PF3=END  PF4=MAIN MENU  PF5=TERMINATE                        MORE
```

Figure 3-13 General Plant Data Screen 1

```
      STATE COMPLIANCE STATUS : 3 - IN COMPL    EPA COMPLIANCE STATUS :    -
      STATE CLASSIFICATION .. : A2              EPA CLASSIFICATION .. :
      OPERATING STATUS ...... : O - OPERATIN
      CONTINUOUS EMISSIONS .. :
      PRIORITY CODE ......... :    -
      STATE REGISTRATION # .. : 095-0949       SIGNIFICANT VIOLATOR FLAG :
      GOVT. FACILITY CODE ... : 0 - ALL OTHER FACILITIES NOT OWNED OR OPER. BY F
      FACILITY CAPACITY ..... :                      CAPACITY UNITS:

      CONTACT PERSON ........ :                        (     )     -
      PLANT DESCRIPTION ..... : ELECT HOUSE & FANS

      LAST STATE INSP. ACTION : 13    DATE (YYMMDD): 91/03/06      POINT :
      LAST EPA INSP. ACTION   :       DATE (YYMMDD):   /  /        POINT :




      PF3=END  PF4=MAIN MENU  PF5=TERMINATE  PF6=PAGE UP            MORE
```

Figure 3-14 General Plant Data Screen 2

```
    YEAR OF EMISSIONS INVENTORY (YY) : 90   UTM ZONE ............... :  18
                                            UTM HORIZONTAL COORD (KM):  652.4
                                            UTM VERTICAL COORD (KM)  :  4562.2

                                            LATITUDE (DDMMSS) ...... :  41:11:55
                                            LONGITUDE (DDDMMSS) .... :  073:10:57

    SIP INVENTORY INDICATOR .. :  03 - CARBON MONOXIDE AND OZONE SIP INVENTORIES

    CONTACT PERSON - EMISSIONS :  D W JONES
    TELEPHONE NUMBER ......... : ( 203 ) 555-7892
    NUMBER OF EMPLOYEES ...... :  00000   USER PLANT ID .......... :  015-0047
    PROPERTY AREA (ACRES) .... :  0000.0  EMERGENCY CONTROL PLAN   :
    PRINCIPAL PRODUCT ........ :
    SDE 1 ................... :          SDE 9   :

                                                        PRIVATE(Y/N): N

    PF3=END  PF4=MAIN MENU  PF5=TERMINATE  PF6=PAGE UP          NEXT SCREEN : 050
```

Figure 3-15 General Plant Data Screen 3

Another example is retrieving stack pollutant information. Remember, we are still browsing Sam's Electrical Manufacturing plant. Select option 2 (Stack Information) on the Browse menu and option 2 (Pollutant Information) on the Stack Information menu. Figure 3-16 represents the screen that you will see on your monitor. You may enter either a "stack number" or a "pollutant code or chemical abstract #" or both. The following scenarios represent your choices and results.

    1.   If you specify a stack number only, you will receive all pollutant/chemical abstract records for that stack.

    2.   If you specify a stack number and a pollutant code or chemical abstract number, you will receive that specific pollutant/chemical abstract record for that specific stack.

    3.   If you specify a pollutant code or chemical abstract number but no specific stack, you will receive all stack records for that specific pollutant/chemical abstract.

    4.   If you press <ENTER> without specifying any criteria, you will receive all pollutant/chemical abstract information for all stacks.

```
DATE  :  09/08/92        AIRS FACILITY SUBSYSTEM - BROWSE       PGM:  AFP521
SCREEN:  521                  STACK POLLUTANT INFORMATION        MAP:  AFM5211
===============================================================================
 9929   SAM'S ELECTRICAL MGG                       989 TOWN RD
-------------------------------------------------------------------------------


                   PLEASE ENTER THE DESIRED KEY FIELD(S):

              STACK          POLLUTANT CODE / CHEMICAL ABSTRACT #

               ___                         _____
                                           _____
                                           _____
                                           _____
                                           _____




   PF3=END   PF4=MAIN MENU   PF5=TERMINATE   PF10=NEXT            NEXT SCREEN: ____
```

Figure 3-16 Stack Pollutant Information Selection Screen

Next Screen allows you to move easily from screen to screen without going through the menu screens each time. Each Browse screen has a three digit number associated with it which is displayed in the upper left corner of the screen. You can use this feature at any time in Browse when the screen has NEXT SCREEN displayed in the lower right corner as seen in Figure 3-17. You can <TAB> through the screen to get to this area, or press <PF10> to automatically position you at the prompt. Type in the number associated with the screen you want to see, press <ENTER>, and you will be taken to the selection screen for the specified record type.

```
 DATE  :  09/08/92       AIRS FACILITY SUBSYSTEM - BROWSE       PGM:  AFP521
 SCREEN:  521                 STACK POLLUTANT INFORMATION        MAP:  AFM5211
 ==============================================================================
  9929   SAM'S ELECTRICAL MGG                         989 TOWN RD
 ------------------------------------------------------------------------------


                     PLEASE ENTER THE DESIRED KEY FIELD(S):

                 STACK          POLLUTANT CODE / CHEMICAL ABSTRACT #

                  ___                    _____
                                         _____
                                         _____
                                         _____




      PF3=END   PF4=MAIN MENU   PF5=TERMINATE   PF10=NEXT        NEXT SCREEN: ___
```

Figure 3-17 Example of Next Screen Option

The AFS Browse screens and their associated screen numbers are shown in Table 3-1.

Table 3-1   Screen Numbers

SCREEN DESCRIPTION	SCREEN NUMBER
Plant General Information	500
Plant Pollutant Information	501
Plant Air Programs	502
Plant Historical Compliance Information	504
Plant Fee Certification	505
Plant Mailing Label Information	506
Plant Actions	507
Plant Comments	508
Plant Asbestos Information	052
Plant Summary	509
Stack General information	520
Stack Pollutant Information	521
Stack Comments	522
Point General Information	530
Point Pollutant Information	531
Point Air Programs	532
Point Historical Compliance Information	533
Point Monitor Information	534
Point Continuous Emissions	535
Point Tank Information	536
Point Actions	537
Point Comments	538
Segment General information	540
Segment Pollutant Information	541
Segment Chemical Information	542
Segment Projected Pollutant Information	544
Segment Comments	543

3.3   Browsing an Asbestos Contractor

To browse an asbestos contractor, you must specify the Contractor ID on the AFS Identification screen. If you do not know the Contractor ID, you can substring search contractors by specifying the state code or abbreviation and part of the contractor name. This works in the same manner as the state/plant identification substring search explained in Section 3.2.

Once you have successfully retrieved an asbestos contractor, you will be presented with an Asbestos Information menu (Figure 3-18). From here you have the option to browse contractor information, landfill information, or performance information. If you elect to browse contractor information, the Asbestos Contractor Information selection screen (Figure 3-19) appears with the Contractor ID displayed in the key field. Press <ENTER> to retrieve the detail information screens about that particular contractor.

Note that the Asbestos Information screen is the same one that you receive when you select option 10 (Asbestos Information) from the Plant Information screen (Figure 3-20).

If you make a mistake in specifying your criteria for retrieving an asbestos contractor, you will receive an error message at the top of the AFS Identification screen. The error messages are listed below in alphabetical order.

INVALID STATE
You specified a state code or state abbreviation that is not valid.

NO CONTRACTORS EXIST WITH SPECIFIED NAME
You specified a State and Contractor Name combination that does not exist on the file.

REQUESTED FUNCTION KEY NOT ALLOCATED
You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, and PF5.

SELECT ANOTHER IDENTIFIER
You pressed <ENTER> without out specifying any criteria; the screen is not filled in. Specify your selection criteria.

SELECT ONE IDENTIFIER ONLY
You attempted to select a contractor by using more than one method to select it; for example, specifying a NEDS ID and a Contractor ID. Request a contractor by one method only.

STATE AND CONTRACTOR ID ARE BOTH REQUIRED
You did not specify both fields to identify the contractor.

STATE AND NAME ARE BOTH REQUIRED
You specified a State code or abbreviation but did not specify a contractor name.

```
DATE  :  09/08/92        AIRS FACILITY SUBSYSTEM - BROWSE       PGM:  AFP052
SCREEN:  052                   ASBESTOS INFORMATION             MAP:  AFM0521
================================================================================




                        1    CONTRACTOR INFORMATION (510)
                        2    LANDFILL INFORMATION (511)
                        3    PERFORMANCE INFORMATION (512)



                        ENTER MENU SELECTION:  _




  PF3=END  PF4=MAIN MENU  PF5=TERMINATE  PF10=NEXT          NEXT SCREEN: ___
```

Figure 3-18 Asbestos Information Screen

```
DATE  :  09/08/92        AIRS FACILITY SUBSYSTEM - BROWSE       PGM:  AFP510
SCREEN:  510                ASBESTOS CONTRACTOR INFORMATION     MAP:  AFM5101
================================================================================
                   PLEASE ENTER THE DESIRED KEY FIELD(S):

                           CONTRACTOR ID

                   *   CT -  199999999999
                              _____
                              _____
                              _____
                              _____




  PF3=END  PF4=MAIN MENU  PF5=TERMINATE  PF10=NEXT          NEXT SCREEN: ___
```

Figure 3-19 Asbestos Contractor Selection Screen

```
 ┌──────────────────────────────────────────────────────────────────────────┐
 │                                                                            │
 │  DATE  :  09/08/92        AIRS FACILITY SUBSYSTEM - BROWSE      PGM:  AFP050│
 │  SCREEN:  050                    PLANT INFORMATION             MAP:  AFM0501│
 │  ==========================================================================│
 │                    1    GENERAL INFORMATION (500)                          │
 │                    2    POLLUTANT INFORMATION (501)                        │
 │                    3    AIR PROGRAMS (502)                                 │
 │                    4    POLLUTANT AIR PROGRAMS (503)                        │
 │                    5    HISTORICAL COMPLIANCE INFORMATION (504)            │
 │                    6    FEE CERTIFICATION (505)                            │
 │                    7    MAILING LABEL INFORMATION (506)                    │
 │                    8    ACTIONS (507)                                      │
 │                    9    COMMENTS (508)                                     │
 │                   10    ASBESTOS INFORMATION (052)                         │
 │                   11    PLANT SUMMARY (509)                                │
 │                                                                            │
 │                                                                            │
 │                    ENTER MENU SELECTION:   __                             │
 │                                                                            │
 │                                                                            │
 │                                                                            │
 │    PF3=END  PF4=MAIN MENU  PF5=TERMINATE  PF10=NEXT        NEXT SCREEN: ___ │
 │                                                                            │
 │                                                                            │
 └──────────────────────────────────────────────────────────────────────────┘
```

Figure 3-20 Plant Information Screen

3.4   Browsing a Landfill

To browse a landfill, you must specify the Landfill EPA ID on the AFS Identification screen. If you do not know the Landfill EPA ID, you can substring search landfills by specifying the state code or abbreviation and part of the landfill name. This works in the same manner as the state/plant identification substring search explained in Section 3.2.

Once you have successfully retrieved a landfill, you will be presented with an Asbestos Information menu (Figure 3-21). From here you have the option to browse contractor information, landfill information, or performance information. If you elect to browse landfill information, the Asbestos Landfill Information selection screen (Figure 3-22) appears with the Landfill EPA ID already displayed in the key field. Press <ENTER> to retrieve the detail information screens about that particular landfill.

Note that the Asbestos Information screen is the same one that you receive when you select option 10 (Asbestos Information) from the Plant Information screen (Figure 3-20).

If you make a mistake in specifying your criteria for retrieving a landfill, you will receive an error message at the top of the AFS Identification screen. The error messages are listed below in alphabetical order.

INVALID STATE.
        You specified a State Code or State Abbreviation that is invalid.

NO LANDFILLS EXIST WITH SPECIFIED NAME
        You specified a State and Landfill Name combination that does not exist on the file.

REQUESTED FUNCTION KEY NOT ALLOCATED
        You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, and PF5.

SELECT ANOTHER IDENTIFIER
        You pressed <ENTER> without out specifying any criteria; the screen is not filled in. Specify your selection criteria.

SELECT ONE IDENTIFIER ONLY
        You attempted to select a landfill by using more than one method to select it; for example, specifying a NEDS ID and a Landfill EPA ID. Request a landfill by one method only.

STATE AND NAME ARE BOTH REQUIRED
        You did not specify both fields to identify the landfill.

```
DATE  : 09/08/92        AIRS FACILITY SUBSYSTEM - BROWSE        PGM:  AFP052
SCREEN:  052                   ASBESTOS INFORMATION             MAP:  AFM0521
================================================================================




                    1    CONTRACTOR INFORMATION (510)
                    2    LANDFILL INFORMATION (511)
                    3    PERFORMANCE INFORMATION (512)



                    ENTER MENU SELECTION:  _




 PF3=END   PF4=MAIN MENU   PF5=TERMINATE   PF10=NEXT          NEXT SCREEN: ____
```

Figure 3-21 Asbestos Information Screen

```
 DATE  : 09/08/92        AIRS FACILITY SUBSYSTEM - BROWSE       PGM:  AFP511
 SCREEN:  511               ASBESTOS LANDFILL INFORMATION       MAP:  AFM5111
================================================================================
                  PLEASE ENTER THE DESIRED KEY FIELD(S):

                         LANDFILL EPA ID

                         _____
                         _____
                         _____
                         _____
                         _____








 PF3=END   PF4=MAIN MENU   PF5=TERMINATE   PF10=NEXT          NEXT SCREEN: ____
```

Figure 3-22 Asbestos Landfill Information Screen

4.0   Fixed Format Report Generation

Fixed Format reports are developed through the use of a series of steps necessary for all fixed format reports. Selection screens guide you through the process of creating and submitting your report.

Error messages are displayed in response to invalid activities being performed or to invalid data being entered. The error messages are presented at the top of the screen and are self explanatory.

This section explains how the Fixed Format Reports feature works and explains the common functionalities among the reports. Section 5 describes each one of the reports and explains how to develop them.

The following fixed format reports are currently available:

Table 4-1   Fixed Format Report Name/Number

REPORT NUMBER	REPORT NAME
615	AFS Plant Compliance Summary
619	AFS Action Inventory
627	AFS Plant Compliance Inventory
632	AFS Class Code Verification
633	AFS Emissions by SIC Report
634	AFS Emission Ranking/Pollutant
643	AFS Distribution of Emissions
644	AFS Plant Emissions Inventory
645	AFS Missing Information Report
646	AFS Critical Data Elements
649	AFS County Point Source Summary
650	AFS Emission by SCC
651	AFS Data Completeness Reports
652	EPS Workfile
680	AFS Enforcement Action Summary
682	AFS Continuous Emissions Summary
684	Mailing Labels

4.1   Accessing Fixed Format Reports

During the logon procedure outlined in Section 2.7, you logged onto AIRS/AFS and received the AIRS
Facility Subsystem Main Menu. From this menu, select option 3 (Select A Report) and press <ENTER>
(Figure 4-1). You will be presented with the Report Selection Menu. Choose option 1 (Fixed Format Reports)
and press <ENTER> (Figure 4-2). The next screen, the Fixed Format Report Menu, allows you to select a
specific report to run. To select a fixed format report, choose the report by typing its three digit number at
the "Please Enter Report Selection:" prompt and press <ENTER> (Figure 4-3). You will then be able to
specify customization of your report.

```
 DATE  :  09/08/92           AIRS FACILITY SUBSYSTEM              PGM:  AFP000
                                   MAIN MENU                      MAP:  AFM0001
 ==============================================================================



                          1    UPDATE THE DATABASE
                          2    BROWSE THE DATABASE
                          3    SELECT A REPORT
                          4    SELECT A UTILITY


                          ENTER MENU SELECTION:   3_




          NEED ASSISTANCE? CALL THE AFS HELPLINE AT 1-800-367-1044



    PF3=END    PF4=SUBSYSTEM MENU    PF5=TERMINATE
```

Figure 4-1   AFS Main Menu

```
 DATE  :  09/08/92          AIRS FACILITY SUBSYSTEM            PGM:  AFP006
 SCREEN:                    REPORT SELECTION MENU              MAP:  AFM0061
 ===============================================================================



                         1    FIXED FORMAT REPORTS
                         2    AD HOC REPORTS




                         ENTER MENU SELECTION:   1




   PF3=END   PF4=MAIN MENU   PF5=TERMINATE
```

Figure 4-2   AFS Report Selection Screen

```
 DATE  :  09/08/92          AIRS FACILITY SUBSYSTEM            PGM:  AFP010
                           FIXED FORMAT REPORT MENU            MAP:  AFM0101
 ===============================================================================
  615  AFS PLANT COMPLIANCE SUMMARY      646  AFS CRITICAL DATA ELEMENT REPORT
  619  AFS ACTION INVENTORY              649  AFS COUNTY POINT SOURCE SUMMARY
  627  AFS PLANT COMPLIANCE INVENTORY    650  AFS EMISSIONS BY SCC
  632  AFS CLASS CODE VERIFICATION       651  AFS DATA COMPLETENESS REPORT
  633  AFS EMISSIONS BY SIC REPORT       652  EPS WORKFILE
  634  AFS EMISSION RANKING/POLLUTANT    680  AFS ENFORCEMENT ACTION SUMMARY
  643  AFS DISTRIBUTION OF EMISSIONS     682  AFS CONTINUOUS EMISSIONS SUMMARY
  644  AFS PLANT EMISSIONS INVENTORY     684  AFS MAILING LABELS
  645  AFS MISSING INFORMATION REPORT




           PLEASE ENTER REPORT SELECTION       :  615
           PLEASE ENTER CRITERIA NAME (OPTIONAL):  _____

   PF3=END   PF4=MAIN MENU   PF5=TERMINATE
```

Figure 4-3   Fixed Format Report Menu

4.2   Customizing Your Report

Although these reports are "fixed format", meaning that they are formatted in a pre-determined manner
and report on specific data fields, you have the opportunity to specify some customization of each report
each time you request it. In order to provide this customization feature, there are a number of screens
associated with each of these reports that require you to specify specific selection criteria.

There are as many as six screens that can be presented for developing a fixed format report. They are:
Report Destination, Select Criteria, Report Criteria, Sort Criteria, Summary Level, and Optional Report
Criteria. Not all reports use all of these selection screens, and, depending on the choices you make on one
screen, you can affect the appearance of other screens.

The following table documents the screens that are associated with each report.

Table 4-2   Fixed Format Report Screens

Report Number	Report Destination	Select Criteria	Report Criteria	Sort Criteria	Summary Level	Optional Report Title
615	X	X		X		X
619	X	X		X		X
627	X	X		X		X
632	X	X		X		X
633	X	X			X	X
634	X	X			X	X
643	X	X			X	X
644	X	X		X		X
645	X	X		X		X
646	X	X				X
649	X	X				X
650	X	X		X		X
651	X	X	X			
652		X				
680	X	X				X
682	X	X				X
684	X	X				

When a fixed format report selection is made, the appropriate screens for that report will appear for you to customize your report. Fill in the necessary information and press <ENTER>. This will record your selections and present you with the next appropriate screen. When you have finished recording all of your selections and submitted your report to be run, the system will return you to the Fixed Format Report Menu to make another report selection or to quit this data retrieval function.

An overview of these screens are given in the subsections that follow. Detail information about each screen and how they are used in the development of specific Fixed Format reports is provided in the subsection for the Fixed Format report.

4.2.1   Report Destination Screen

This screen allows you to define your report output destination. There are three available choices:
generate a report to the screen, generate a printed report, and generate a workfile. You must choose at
least one report destination, however, you may choose two or all three of them. Not every fixed format
report will present all three of these options. When you choose a report, the screen will present the
options that are available for that report. The following table depicts the options available for each report.

Table 4-3   Fixed Format Report Destination Options

Report Number	Generate a Report to the Screen	Generate a Printed Report	Generate a Workfile
615	X	X	X
619	X	X	X
627		X	X
632	X	X	X
633	X	X	X
634		X	X
643	X	X	X
644		X	X
645		X	X
646		X	X
649		X	X
650		X	X
651		X	X
652			
680		X	X
682		X	X
684	X[1]	X[2]	X

[1] This option reads: Generate 1 or 3 column labels

[2] This option reads: Generate a plain paper report

Figures 4-4, 4-5, and 4-6 show the three types of Report Destination screens.

```
DATE  :  09/08/92          AIRS FACILITY SUBSYSTEM              PGM:  AFP010
                              REPORT DESTINATION                MAP:  AFM0063
================================================================================


REPORT NAME: AFS PLANT COMPLIANCE SUMMARY            CRITERIA NAME:


                      ENTER X FOR DESIRED OPTION (S)

          CHOOSE AT LEAST ONE OUTPUT

          _ 1.   GENERATE A REPORT TO THE SCREEN
          _ 2.   GENERATE A PRINTED REPORT
          _ 3.   GENERATE A WORKFILE




 PF3=END  PF4=MAIN MENU  PF5=TERMINATE
```

Figure 4-4   Report Destination Screen Type 1

```
 DATE  :  09/08/92          AIRS FACILITY SUBSYSTEM              PGM:  AFP010
                              REPORT DESTINATION                MAP:  AFM0067
================================================================================


REPORT NAME: AFS PLANT COMPLIANCE INVENTORY          CRITERIA NAME:


                      ENTER X FOR DESIRED OPTION(S)


          CHOOSE AT LEAST ONE OUTPUT

           _ 1.   GENERATE A PRINTED REPORT
           _ 2.   GENERATE A WORKFILE




 PF3=END  PF4=MAIN MENU  PF5=TERMINATE
```

Figure 4-5   Report Destination Screen Type 2

```
 DATE  :  09/08/92          AIRS FACILITY SUBSYSTEM              PGM:  AFP010
                              REPORT DESTINATION                 MAP:  AFM0068
 ================================================================================


 REPORT NAME: AFS MAILING LABELS                         CRITERIA NAME:


                         ENTER X FOR DESIRED OPTION

             CHOOSE ONE OUTPUT

             _ 1.   GENERATE 1 OR 3 COLUMN LABELS
             _ 2.   GENERATE A PLAIN PAPER REPORT
             _ 3.   GENERATE A WORKFILE




 PF3=END  PF4=MAIN MENU  PF5=TERMINATE
```

Figure 4-6   Report Destination Screen Type 3

If you requested the generation of a report to the screen and your report selections caused too many lines to be created, causing screen capacity to be exceeded, the screen will generate an error message. This message will state that there were too many entries for the report to be printed on the terminal screen (Figure 4-7). You will need to re-specify your report criteria or direct the report to another medium.

```
 DATE  :  09/16/92          AIRS FACILITY SUBSYSTEM              PGM:  AFP615
                                SORT CRITERIA                    MAP:  AFM6152
 ================================================================================
 REPORT NAME: AFS PLANT COMPLIANCE SUMMARY               CRITERIA NAME:


  1 REGION      +-----------------------------------------+TING STATUS

  2 STATE          REPORT AFP615   WITH CRITERIA           IANCE STATUS
                   HAS   75 ENTRIES.
  3 AQCR           IT IS TOO LARGE FOR ON-LINE.

  4 COUNTY                   PRESS ENTER TO CONTINUE.


 ENTER THE NUMBER +-----------------------------------------+ORT SEQUENCE:

    1_      __      __      __      __      __      __      __      __      __



 PF3=END  PF4=MAIN MENU  PF5=TERMINATE  PF6=PAGE UP
```

Figure 4-7   Example of On-Line Report That Is Too Large

4.2.2   Select Criteria Screen

This screen requires you to define the "population" of your report by making choices for various data fields. Each report has a unique Select Criteria screen.

A sample screen is shown in Figure 4-8.

```
  DATE  :  09/08/92        AIRS FACILITY SUBSYSTEM              PGM:  AFP615
                              SELECT CRITERIA                   MAP:  AFM6151
  ===============================================================================
  REPORT NAME: AFS PLANT COMPLIANCE SUMMARY              CRITERIA NAME:
  ENTER OPTIONAL REPORT TITLE (Y/N):  _                  EPA/STATE (E/S):    _

  NATIONAL (Y/N):    _
  REGION: __    STATE: __    AQCR: ___    COUNTY: ___    CITY: _____    PLANT: _____

  PLEASE MARK THE DESIRED SELECTION CRITERIA FIELD(S) WITH ONE OF THE FOLLOWING
  SELECTION CODES:  (E,U) WHERE E=EQUAL, U=UNEQUAL.

  CLASSIFICATION CODE    AIR PROGRAM    OPERATING STATUS    COMPLIANCE STATUS
  -------------------    -----------    ----------------    -----------------
         A1  _           0  _  6  _      O  _   R  _                  IN  _
         A2  _           1  _  7  _      P  _   D  _                 OUT  _
         UK  _           3  _  8  _      C  _   T  _             UNKNOWN  _
         B   _           4  _  9  _      X  _   S  _             ON SCHED  _
         E1  _                           I  _
         E2  _


   PF3=END   PF4=MAIN MENU   PF5=TERMINATE
```

Figure 4-8   Select Criteria Screen

4.2.3   Report Criteria

This screen is only available for Report 651, Data Completeness Reports. It is a selection criteria screen for the reports that are subordinate to the Data Completeness Reports selection option.

4.2.4   Sort Criteria

This screen allows you to choose the sort order of your report. Refer to Table 4-2 to determine which reports have the sort option. Specific data fields are presented on the screen. You select, from this list, the ones that you want as your sort fields.

In order to specify your sort, type the number of the first sort field from the list at the first cursor position, and <TAB> to the next cursor position. Type the number of the second sort field from the list at the second cursor position and <TAB> to the next cursor position, and so on. You can choose not to select any sort field (press <ENTER> without specifying anything on the screen), one sort field or many sort fields up to the maximum positions allowed on the screen. All data fields that are selected are sorted in ascending order.

A sample screen is shown in Figure 4-9.

```
DATE  :  09/08/92          AIRS FACILITY SUBSYSTEM              PGM:  AFP615
                              SORT CRITERIA                      MAP:  AFM6152
==============================================================================
REPORT NAME: AFS PLANT COMPLIANCE SUMMARY            CRITERIA NAME:

  1 REGION                  5 PLANT ID              9 OPERATING STATUS

  2 STATE                   6 PLANT NAME           10 COMPLIANCE STATUS

  3 AQCR                    7 CLASSIFICATION CODE

  4 COUNTY                  8 AIR PROGRAM CODE


ENTER THE NUMBERS OF THE SORT ELEMENTS ABOVE IN THE DESIRED SORT SEQUENCE:

     __      __      __      __      __      __      __      __      __      __



 PF3=END  PF4=MAIN MENU  PF5=TERMINATE  PF6=PAGE UP
```

Figure 4-9   Sort Criteria Screen

4.2.5   Summary Level

This screen allows you to choose the summary level of your report. Five data fields are presented on the screen and you select <u>one</u> for your report summary level. You have the option of summarizing by national, region, state, AQCR, or county.

A sample screen is shown in Figure 4-10.

```
 DATE  :  09/08/92          AIRS FACILITY SUBSYSTEM              PGM:  AFP633
                               SUMMARY LEVEL                     MAP:  AFM6332
 ============================================================================
 REPORT NAME:  AFS EMISSIONS BY SIC REPORT              CRITERIA NAME:


   1 NATIONAL                 5 COUNTY

   2 REGION

   3 STATE

   4 AQCR


        ENTER THE NUMBER OF THE LEVEL OF SUMMARY DESIRED:
                             __



  PF3=END   PF4=MAIN MENU   PF5=TERMINATE   PF6=PAGE UP
```

Figure 4-10 Summary Level Screen

4.2.6   Optional Report Title

This screen allows you to customize your report by providing a sub-title on each report. This title will appear directly under the primary report title. This optional title can be 50 characters in length. You will receive this screen if you answered "Y" (Yes) to the Optional Report Title query on the Select Criteria screen.

If you selected this screen by accident or changed your mind after you selected it, and don't want an optional title on your report, you may leave the field blank and press <ENTER>.

A sample screen is shown in Figure 4-11.

```
DATE  :  09/08/92           AIRS FACILITY SUBSYSTEM              PGM:  AFP615
                             OPTIONAL REPORT TITLE                MAP:  AFM0064
================================================================================
REPORT NAME:  AFS PLANT COMPLIANCE SUMMARY              CRITERIA NAME:

REPORT TITLE: _____




     PF3=END   PF4=MAIN MENU   PF5=TERMINATE   PF6=PAGE UP
```

Figure 4-11 Optional Report Title Screen

4.3   Criteria Disposition

In order to run your report, you must save your report choices in the system. You save these report choices as a "criteria set", assigning it a unique name. This screen provides the means of creating this criteria set (Figure 4-12).

There are two questions that must be answered on this screen. You must specify "Y" (Yes) to save your criteria set. If you specify "N" (No), then you will not save your criteria set and, therefore, cannot run your report. If you have answered "Y", you must specify a name for your criteria set. You can create a new criteria set or write over an old one. If you specify a criteria set name that already exists, the system will prompt you for confirmation that you want to overwrite the existing criteria set (Figure 4-13).

The system automatically displays the User Identification Code field on the Criteria Disposition screen.

Once you have created a criteria set, you can run your report multiple times from this criteria set without changing it. The criteria set is saved under your User ID in AFS; it does not change until you make changes to it. See Section 4.5 for more information on managing criteria sets.

```
 DATE  :  09/08/92          AIRS FACILITY SUBSYSTEM              PGM:  AFP615
 SCREEN:                     CRITERIA DISPOSITION                MAP:  AFM0065
 =============================================================================



            SAVE THIS CRITERIA SET (Y/N) ?   Y


                 USER IDENTIFICATION CODE:    GDA

                     CRITERIA SET NAME:    TESTREPT




  PF3=END   PF4=MAIN MENU   PF5=TERMINATE

```

Figure 4-12 Criteria Disposition Screen

```
 DATE  :  09/08/92         AIRS FACILITY SUBSYSTEM              PGM:  AFP615
 SCREEN:                   CRITERIA DISPOSITION                 MAP:  AFM0065
 ==============================================================================




           SAVE THIS CRITERIA SET (Y/N) ?  y


             +-----------------------------------------+
          U
               THIS SET EXISTS;
               DO YOU WANT TO OVERWRITE IT? (Y/N) _


             +-----------------------------------------+



 PF3=END   PF4=MAIN MENU   PF5=TERMINATE
```

Figure 4-13 Example of Criteria Set Overwrite Confirmation

Error Messages

The error messages listed below are displayed at the top of the Fixed Format Criteria Disposition screen
if you make a mistake in specifying your criteria.

VALUE MUST BE 'Y' OR 'N'
> You did not enter "Y" or "N" for the question: "Save this criteria set?". You must answer this
> question, and the valid values are "Y" and "N".

PLEASE ENTER A USER ID CODE
> You did not enter a User ID in the User Identification Code field. Enter your three-digit User ID
> if you are saving the criteria set to your library, or another users User ID if you are saving the
> criteria set to his library.

PLEASE ENTER A REPORT CRITERIA SET NAME
> You did not specify a name for your report criteria set. Specify a name. The name can be from
> one to eight characters and contain letters and numbers.

REQUESTED FUNCTION KEY NOT ALLOCATED
> You used a PF key that was not valid for this screen. The valid PF keys are displayed at the
> bottom of the screen and are PF3, PF4, and PF5.

4.4   Fixed Report JCL Parameters

This screen prepares your report to be executed. There are numerous parameters that need to be specified in order for the system to run your report.

These parameters can be pre-set so that you do not need to re-specify them on the Fixed Report JCL Parameters screen each time you run your report. Pre-set values are shown in the DEFAULT column as displayed in Figure 4-14. They are also repeated in the middle column after the parameter name. You are allowed to update any field in the middle column. Any changes you make will take effect **only** for one run of your report unless you save the changed JCL parameters as. The next time you run any report, the default values will be primed in the middle column.

To pre-set these parameter values, choose option 4 (Select A Utility) on the AFS Main Menu and option 8 (User JCL Parameters) on the Utility Selection Menu. The parameter values that you have set on this menu will be reflected on the Fixed Report JCL Parameters screen for all report retrievals that you run. You may update your initial parameter values at any time.

The parameters that are presented on this screen are:

! Account Code	! Form Number
! Fimas ID	! Room/Bin Number
! Time	! Hold Output
! Priority Code	! Printer Site
! Message Class	! Output Data File
! Number of Copies	

```
 DATE  :  09/08/92          AIRS FACILITY SUBSYSTEM              PGM:  AFP615
                          FIXED REPORT JCL PARAMETERS            MAP:  AFM0066
 ===============================================================================
                       CRITERIA SET NAME:  615TEST

 ===============================================================================
                                                         DEFAULT
                  ACCOUNT CODE       :  SEIS              SEIS
                  FIMAS ID           :  AFSED             AFSED
                  TIME ( MMMM SS )   :  5___  __          5      0
                  PRIORITY CODE      :  2                 2
                  MSGCLASS           :  A                 A
                  NUMBER OF COPIES   :  1_                1
                  FORM NUMBER        :  ____
                  ROOM/BIN NUMBER    :  MGDA              MGDA
                  HOLD OUTPUT? (Y/N) :  Y                 Y
                  PRINTER SITE ID    :  R255_____  R255

          OUTPUT DATA FILE DESTINATION :  _____


   PF3=END   PF4=MAIN MENU   PF5=TERMINATE
```

Figure 4-14 Fixed Report JCL Parameters Screen

The following data elements that are available for updating the Fixed Report JCL Parameters screen are:

ACCOUNT CODE

The Account Code is a mandatory data element which specifies to the NCC-IBM where to charge the cost of your job. Each agency or individual with access to the NCC computer processing network has an account code, which is typically the same code that is used to log on the NCC network. If you have more than one account code, you must make sure to use the right code when logging onto the system.
Values that are entered into the Account Code are not validated by the JCL Parameter Screen. As a consequence, you must be very careful to enter a legitimate value in this field or risk job rejection at the time of job processing.

FIMAS ID

The FIMAS ID provides additional accounting information used by NCC to track the usage patterns of NCC supported systems. If you are a compliance user, you should input a FIMAS ID of "AFSCP". If you are an emission user, you should input a FIMAS ID of "AFSEP".

Values that are entered into the FIMAS ID are not validated by the JCL Parameter Screen. As a consequence, you must be very careful to enter a legitimate value in this field or risk job rejection at the time of job processing.

TIME (MMMM SS)

Users must specify a time parameter for the processing of each job. Time is an important factor for many reasons, including:

1.   Because NCC needs to process requests from a wide variety of systems, a job exceeding five minutes is automatically placed into that night's batch processing run. Jobs shorter than 5 minutes will be processed usually under an hour, based on the job's length. If you underestimate the time necessary for processing a job, your report will not be completely processed. If you overestimate the time necessary for processing a job, your report will be unnecessarily relegated for a later processing time on the job queue. Therefore, it is important to be as accurate as possible.

2.   Jobs with shorter times generally run sooner than jobs with longer times. The NCC-IBM User's Guide explains the allowed formats for a job time parameter and the effects on job scheduling.

3.   A job run during a business day is more expensive than a job run at night.

Users may specify up to 9999 minutes and 59 seconds for processing a report, even though this amount would be extraordinary. Typical reports require between two seconds for a relatively small plant level report and up to 100 minutes for a national retrieval pertaining to all levels (plant, stack, point, segment) of AFS data.

The value you enter for Time is left justified in both the minutes and the seconds fields. For example, by placing "55" in any consecutive space in the four digit minutes field and leaving the other two spaces blank will result in a value of "55" minutes being assigned to the report, regardless of where in the four spaces the "55" is placed. Similarly, by placing a "5" in either the first or second position of the seconds field and leaving the other space blank will result in a value of "5" seconds being assigned to report processing.

PRIORITY

Priority is a one-digit code that affects job scheduling and cost. Jobs with a priority of "1" will be processed during that night's batch processing run, while jobs with a priority of "2" will be performed during the business day in which they are submitted. It is important to note the connection between priority code and processing time. A combination of time and priority provides instructions to NCC as to when the report should be processed and where it falls in the processing queue.

An extraordinary priority code of "5" can be requested from NCC which will place the processing job at the front of the NCC queue. This code can only be authorized by NCC personnel and should only be run under **urgent** circumstances. The cost of a job run with a priority code of "5" is approximately six times the cost of processing a job at a priority code of "1".

Specifying a priority code is not mandatory on the JCL Parameter Screen. It should be noted that if the priority code is left blank, a value of "2" will be generated by the system. Since a priority code of "2" is more expensive than a priority code of "1", it is important to enter a priority code of "1" if you want to use the less expensive processing.

MSGCLASS

Message Class is a one-character code that defines the ultimate destination of your job. The most common message class is "A", which indicates that a job is to be routed to either a remote EPA printer or any of the non-laser printers at NCC. You may also use "F" to specify that your output is to be routed to the laser printer at NCC. Message Class is associated with a valid "Form Number" which indicates the type of paper to be used for your report.

Message Class is an optional data input field. A default value of "A" is generated by the system if you leave the field blank.

NUMBER OF COPIES

The Number of Copies is used to specify how many reports you want printed at a specified printer site. The permissible values are "1" through "99".

The Number of Copies is an optional data input field. A default value of "1" is generated by the system if you leave the field blank.

FORM NUMBER

Form Number is a four-digit code which denotes the type of paper your output is printed on, the number of lines printed per inch, and whether or not lower case letters should be used. The default value is blanks which results in the usage of the standard form (STD).

Form Number is an optional data input field. The system generates the value of "STD" if you leave the field blank. This is the standard paper size for your remote printer.

It should be noted that some remote printers may not be set up to handle anything but a standard form. Consequently, you should not add a form number to your JCL Parameter, unless you are sure that your remote printer utilizes this form. For more information about form numbers, contact your remote printer location operator.

If you specify your Printer Site ID as RMT0, your output will be routed to the NCC printers. If you do not specify a form, the STD form will be used. If you specify a valid form number for this printer, it will print on that form. The following table details the valid form numbers for the NCC printers.

Table 4-4   Form Numbers

FORM TYPE	CASE	PAPER SIZE (Width X Length)	COMMENTS
6111	Upper	15" X 11"	
6311	Upper & Lower	15" X 11"	
8181	Upper	11" X 8.5"	
8381	Upper & Lower	11" X 8.5"	STD FORM
6151	Upper	8.5" X 11"	
6351	Upper & Lower	8.5" X 11"	
6171	Upper	8.5" X 11"	3-hole punch paper
6371	Upper & Lower	8.5" X 11"	3-hole punch paper

ROOM/BIN NUMBER

Room/Bin Number is a mandatory, four-character code, used by computer centers for the distribution of printed output to the appropriate location or NCC personnel. This code will be defined by your specific local computer center. The combination of any four alphanumeric characters may be used to indicate a Room/Bin Number.

HOLD OUTPUT? (Y/N)

Users may specify, in the "Hold Output? (Y/N)" field, whether or not they want a job to be automatically printed or held for user-review on the NCC output queue. For example, before printing an enormous report, an on-line review of the report might identify a criteria set error that would render the report useless.

By specifying a "Y" (Yes) in this field, the system holds the finished job in the output queue of the NCC computer. It can be reviewed by using either the ISPF, SYSD, or SDSF NCC-output queue editors. See Section 6 for instructions on using these editors.

A "N" (No) in this field results in the report being printed at the remote printer location specified in the "Printer Site ID" field which is described below.

Hold Output is a mandatory field and the default value is "N" (No).

PRINTER SITE ID

The "Printer Site ID" allows you to specify a remote location at which the job should be printed. Each remote printer is connected to the NCC communications network and has a unique remote Printer Site ID associated with it. The Printer Site ID is a mandatory field for the completion of the JCL Parameter screen when you have specified "N" (No) in the Hold Output? (Y/N) field. If you have any questions about what your Printer Site ID is, contact your local print room operator.

If you specify a "Y" (Yes) for Hold Output, the Printer Site ID field may be left blank.

OUTPUT DATA FILE

Your Fixed Format report output may be used to create data files to be downloaded to a personal computer or NCC file. The Output Data Files are known as "flat files". These files contain the data in the report without column headings, separating spaces, or selection criteria, but include sort elements in the first position of each data line of the output data. Data in these files are typically used for analytical or graphic applications external to AFS. For example, data from an Output Data File may be imported into a PC-based graphics package to provide a graphical display of data values.

To create an Output Data File, you must name the file on the user JCL screen in the data field "Output Data File". The NCC naming convention requires that your files are named as **"iiiaaaa.node1.node2."** where **"iii"** is your User ID, **"aaaa"** is your account code, **"node1"** is a user defined name of up to eight characters, **"node2"** is a user name of up to eight characters, and etcetera. The total length of a dataset name is 35 characters.

Having already created your Ad Hoc Output Data File at NCC, you can either manipulate the file by using the NCC mainframe, download the file onto your PC, or arrange for NCC to mail you a diskette containing the file. In either case, follow the directions appropriate to the telecommunications software by linking your location to NCC.

Error Messages

The errors messages listed below (in alphabetical order) are displayed at the top of the Fixed Report JCL Parameters screen if you make a mistake in specifying your criteria.

AFP0066 0054 NAT1100 INPUT VALUE FOR A NUMERIC FIELD IS NOT NUMERIC
> You entered a non-numeric character in the Time, Priority Code, or Number of Copies field.

ENTER A FOUR CHARACTER ROOM/BIN NUMBER
> You entered a blank Room/Bin Number value or a value string containing less than four characters.

ENTER THE FILE NAME WITHOUT SINGLE QUOTE MARKS.
> You entered the file name in quotation marks.

ENTER THE NAME OF A FLAT SEQUENTIAL FILE (WITHOUT A MEMBER NAME).
> You specified a partitioned dataset name by entering part of the name in parenthesis. Enter a dataset name without the parentheses.

PLEASE ENTER A DATA SET NAME FOR THE WORKFILE
> If you requested a workfile to be generated, you must specify a workfile name in this field.

PLEASE ENTER A DESTINATION CODE FOR THE PRINTER SITE
> You specified N (or blanks) for the Hold Output field and entered blanks for Printer Site. Enter a valid Printer Site ID.

PLEASE ENTER A FIMAS ID CODE
> You entered a blank FIMAS ID Code value. Enter your valid four-digit FIMAS ID.

PLEASE ENTER A RUN TIME LIMIT
> You entered a blank or all zeros in the Time field. You must specify a numeric Time value.

PLEASE ENTER A VALID MESSAGE CLASS: A, B, D, F, J, M, OR Z
> You entered an invalid Message Class value. Valid values are A, B, D, F, J, M, and Z.

PLEASE ENTER A VALID PRIORITY CODE: 1, 2, 3, 4, OR 5
> You entered an invalid value for Priority. Valid values are 1, 2, 3, 4, and 5.

PLEASE ENTER AN ACCOUNT CODE

You entered a blank Account Code value. Enter your valid four-digit Account Code.

VALUE MUST BE 'Y' OR 'N'

You entered an invalid value for Hold Output. Valid values are Y (Yes) and N (No).

REQUESTED FUNCTION KEY NOT ALLOCATED

You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, and PF5.

THE FILE NAME MUST START WITH USER-ID + ACCOUNT CODE

You specified an invalid format for the workfile name. The first seven characters must be your three-digit User ID and four-digit account code.

THE NUMBER OF COPIES MUST BE AT LEAST 1.

You did not specify a value for Number of Copies.

4.5   Criteria Set Management

This section explains how to manage your criteria sets. An explanation of the Criteria Disposition screen
is presented in Section 4.3

4.5.1   Creating a Criteria Set

A criteria set is created by simply selecting your report choice, accessing the selection screens for your
report, and then saving these choices when presented with the Criteria Disposition screen. The following
steps explain this activity in detail.

> 1.   Fixed Format Report Menu (Figure 4-15)
>
>   Enter the report number at the PLEASE ENTER REPORT SELECTION prompt.
>
>   **DO NOT** enter anything at the PLEASE ENTER CRITERIA NAME (OPTIONAL)
>   prompt.
>   Press <ENTER>.

```
 DATE  :  09/08/92          AIRS FACILITY SUBSYSTEM                PGM:  AFP010
                           FIXED FORMAT REPORT MENU                MAP:  AFM0101
 ===============================================================================
  615  AFS PLANT COMPLIANCE SUMMARY      646  AFS CRITICAL DATA ELEMENT REPORT
  619  AFS ACTION INVENTORY             649  AFS COUNTY POINT SOURCE SUMMARY
  627  AFS PLANT COMPLIANCE INVENTORY   650  AFS EMISSIONS BY SCC
  632  AFS CLASS CODE VERIFICATION      651  AFS DATA COMPLETENESS REPORT
  633  AFS EMISSIONS BY SIC REPORT      652  EPS WORKFILE
  634  AFS EMISSION RANKING/POLLUTANT   680  AFS ENFORCEMENT ACTION SUMMARY
  643  AFS DISTRIBUTION OF EMISSIONS    682  AFS CONTINUOUS EMISSIONS SUMMARY
  644  AFS PLANT EMISSIONS INVENTORY    684  AFS MAILING LABELS
  645  AFS MISSING INFORMATION REPORT




         PLEASE ENTER REPORT SELECTION       :  615
         PLEASE ENTER CRITERIA NAME (OPTIONAL): _____

 PF3=END  PF4=MAIN MENU  PF5=TERMINATE
```

Figure 4-15 Fixed Format Report Menu

2.   Report Selection Screens

          Make your report selections on the screens as they appear for the particular report that
          you selected.

3.   Criteria Disposition Screen (Figure 4-16)

          Enter "Y" at the SAVE THIS CRITERIA SET prompt.

          Enter a criteria set name that you have not used before at the CRITERIA SET NAME
          prompt. The name can be from one to eight characters long.

          Press <ENTER>.

```
DATE  :  09/08/92        AIRS FACILITY SUBSYSTEM              PGM:  AFP615
SCREEN:                   CRITERIA DISPOSITION                MAP:  AFM0065
================================================================================




          SAVE THIS CRITERIA SET (Y/N) ?   Y


                USER IDENTIFICATION CODE:    GDA

                      CRITERIA SET NAME:    NEWREPT_




 PF3=END   PF4=MAIN MENU   PF5=TERMINATE


```

Figure 4-16 Criteria Disposition Screen

4.   If you have saved your report selections as a unique criteria set name, you will be
        presented with the next screen, Fixed Report JCL Parameters.

        If you erred, and entered a name that currently exists, the system will prompt you (with a
        window box) to confirm that you want to overwrite an existing criteria set (Figure 4-17).
        Enter "N" and press <ENTER>. The window box will be cleared from the screen and you
        can re-specify the criteria set name.

```
DATE  :  09/08/92          AIRS FACILITY SUBSYSTEM               PGM:  AFP615
SCREEN:                      CRITERIA DISPOSITION                MAP:  AFM0065
================================================================================




            SAVE THIS CRITERIA SET (Y/N) ?   Y


              +-------------------------------------------+
           U
                 THIS SET EXISTS;
                 DO YOU WANT TO OVERWRITE IT? (Y/N) N


              +-------------------------------------------+


  PF3=END   PF4=MAIN MENU   PF5=TERMINATE
```

Figure 4-17 Example of Criteria Set Overwrite Confirmation

4.5.2   Updating a Criteria Set

A criteria set is updated by simply selecting your report choice and a criteria set that currently exists, accessing the selection screens for your report and making your updates, and then saving these updates when presented with the Criteria Disposition screen. The following steps explain this activity in detail.

> 1.   Fixed Format Report Menu (Figure 4-18)
>
> Enter the report number at the PLEASE ENTER REPORT SELECTION prompt.
>
> Enter the name of the existing criteria set at the PLEASE ENTER CRITERIA NAME (OPTIONAL) prompt.
>
> Press <ENTER>.

```
 DATE  :  09/08/92          AIRS FACILITY SUBSYSTEM               PGM:   AFP010
                           FIXED FORMAT REPORT MENU               MAP:   AFM0101
 ==============================================================================
  615  AFS PLANT COMPLIANCE SUMMARY      646  AFS CRITICAL DATA ELEMENT REPORT
  619  AFS ACTION INVENTORY              649  AFS COUNTY POINT SOURCE SUMMARY
  627  AFS PLANT COMPLIANCE INVENTORY    650  AFS EMISSIONS BY SCC
  632  AFS CLASS CODE VERIFICATION       651  AFS DATA COMPLETENESS REPORT
  633  AFS EMISSIONS BY SIC REPORT       652  EPS WORKFILE
  634  AFS EMISSION RANKING/POLLUTANT    680  AFS ENFORCEMENT ACTION SUMMARY
  643  AFS DISTRIBUTION OF EMISSIONS     682  AFS CONTINUOUS EMISSIONS SUMMARY
  644  AFS PLANT EMISSIONS INVENTORY     684  AFS MAILING LABELS
  645  AFS MISSING INFORMATION REPORT




           PLEASE ENTER REPORT SELECTION       :  615
           PLEASE ENTER CRITERIA NAME (OPTIONAL):  TESTREPT

  PF3=END  PF4=MAIN MENU  PF5=TERMINATE
```

Figure 4-18 Fixed Format Report Menu

> 2.   Report Selection Screens
>
> Make your updates on the report screens as they appear for the particular report that you selected.

3.   Criteria Disposition Screen (Figure 4-19)

         Enter "Y" at the SAVE THIS CRITERIA SET prompt.

         If you want to save the updates under the same name:

                 Press <ENTER>.

                 The system will prompt you (with a window box) to confirm that you want to
                 overwrite an existing criteria set. Enter "Y" and press <ENTER>. See Figure 4-
                 20.

         If you want to save the updates under a new name:

                 Type in the new name at the CRITERIA SET NAME prompt.

                 Press <ENTER>.

```
 DATE  :  09/08/92         AIRS FACILITY SUBSYSTEM               PGM:  AFP615
 SCREEN:                     CRITERIA DISPOSITION                 MAP:  AFM0065
 ================================================================================




            SAVE THIS CRITERIA SET (Y/N) ?   Y


                  USER IDENTIFICATION CODE:    GDA

                       CRITERIA SET NAME:    TESTREPT




  PF3=END   PF4=MAIN MENU   PF5=TERMINATE

```

Figure 4-19 Criteria Disposition Screen

```
 ┌──────────────────────────────────────────────────────────────────────────┐
 │                                                                            │
 │  DATE  :  09/08/92        AIRS FACILITY SUBSYSTEM           PGM:  AFP615    │
 │  SCREEN:                   CRITERIA DISPOSITION             MAP:  AFM0065   │
 │  =======================================================================   │
 │                                                                            │
 │                                                                            │
 │                                                                            │
 │                                                                            │
 │            SAVE THIS CRITERIA SET (Y/N) ?   Y                              │
 │                                                                            │
 │                                                                            │
 │               +-----------------------------------------+                  │
 │            U                                                               │
 │                 THIS SET EXISTS;                                           │
 │                 DO YOU WANT TO OVERWRITE IT? (Y/N) Y                        │
 │                                                                            │
 │                                                                            │
 │               +-----------------------------------------+                  │
 │                                                                            │
 │                                                                            │
 │   PF3=END   PF4=MAIN MENU   PF5=TERMINATE                                   │
 │                                                                            │
 │                                                                            │
 └──────────────────────────────────────────────────────────────────────────┘
```

Figure 4-20 Example of Criteria Set Overwrite Confirmation

4.   You will then be presented with the next screen, Fixed Report JCL Parameters.

4.5.3   Criteria Set Help Feature

If you do not remember the names of a particular criteria set you want to update or want a listing of all of them, there is an easy to use help feature.

When selecting a report on the Fixed Format Report Menu, type "?" in the first position of the PLEASE ENTER CRITERIA NAME (OPTIONAL) prompt field and press <ENTER> (Figure 4-21). You will receive a screen with a list of all criteria sets for your User ID (Figure 4-22). If you want to select one, enter "S" (Select) at the entry line of the desired criteria set name and press <ENTER>. You may quit by pressing <PF3>.

This feature is also useful if another user has copied a criteria set to your User ID. You can verify that the copy has been completed and determine the specific spelling of the criteria set name.

```
 DATE  :  09/08/92          AIRS FACILITY SUBSYSTEM              PGM:  AFP010
                            FIXED FORMAT REPORT MENU             MAP:  AFM0101
 ==============================================================================
  615  AFS PLANT COMPLIANCE SUMMARY      646  AFS CRITICAL DATA ELEMENT REPORT
  619  AFS ACTION INVENTORY              649  AFS COUNTY POINT SOURCE SUMMARY
  627  AFS PLANT COMPLIANCE INVENTORY    650  AFS EMISSIONS BY SCC
  632  AFS CLASS CODE VERIFICATION       651  AFS DATA COMPLETENESS REPORT
  633  AFS EMISSIONS BY SIC REPORT       652  EPS WORKFILE
  634  AFS EMISSION RANKING/POLLUTANT    680  AFS ENFORCEMENT ACTION SUMMARY
  643  AFS DISTRIBUTION OF EMISSIONS     682  AFS CONTINUOUS EMISSIONS SUMMARY
  644  AFS PLANT EMISSIONS INVENTORY     684  AFS MAILING LABELS
  645  AFS MISSING INFORMATION REPORT




             PLEASE ENTER REPORT SELECTION       :  615
             PLEASE ENTER CRITERIA NAME (OPTIONAL):  ?_____

  PF3=END  PF4=MAIN MENU  PF5=TERMINATE
```

Figure 4-21 Criteria Set Help Feature

```
DATE:  09/08/92          AIRS FACILITY SUBSYSTEM             PGM:   AFP010
PAGE:  1  OF 1           REPORT CRITERIA FOR USER  GDA       MAP:   AFM0102
=============================================================================

CRITERIA SET NAME   DATE LAST CHANGED    CRITERIA SET NAME   DATE LAST CHANGED
-----------------   -----------------    -----------------   -----------------
   _    GDA634           92/04/21           _    651TEST2          92/08/28
   _    GDA645           92/04/22           _    651TEST3          92/08/27
   _    GDA645Y          92/04/20           _    651TEST4          92/08/27
   _    GDA651NZ         92/09/02           _    651TEST5          92/08/31
   _    GDA651RZ         92/09/02           _                        /  /
   _    GDA651SZ         92/09/02           _                        /  /
   _    TEST615          92/09/08           _                        /  /
   _    TEST651          92/09/03           _                        /  /
   _    TEST680          92/09/08           _                        /  /
   _    615TEST          92/09/08           _                        /  /
   _    634A             92/03/26           _                        /  /
   _    634B             92/03/26           _                        /  /
   _    634C             92/03/26           _                        /  /
   _    634D             92/03/26           _                        /  /
   _    651TEST1         92/08/31           _                        /  /

 S=SELECT D=DELETE  PF3=END  PF4=MAIN MENU  PF5=TERMINATE  PF7=BACK  PF8=MORE
```

Figure 4-22 Criteria Set Help Feature

4.5.4   Copying a Criteria Set to Another User

The Criteria Disposition screen also allows for copying a criteria set to another user. This other user must have a valid AIRS/AFS User ID.

After you have completed creation or updating of a criteria set, and receive the Criteria Disposition screen, follow these steps next. See Figure 4-23.

1.   Enter "Y" at the SAVE THIS CRITERIA SET prompt.

2.   Enter the User ID of the user you want to receive the criteria set at the USER IDENTIFICATION CODE prompt. In the example shown, user "GDA" is copying the criteria set to user "EIK" as "COPYTEST".

3.   Type in the criteria set name at the CRITERIA SET NAME prompt.

4.   Press <ENTER>. You will then be presented with the next screen, Fixed Format JCL Parameters. You may run the report or quit.

```
 DATE  :  09/08/92        AIRS FACILITY SUBSYSTEM              PGM:  AFP615
 SCREEN:                     CRITERIA DISPOSITION              MAP:  AFM0065
 ===============================================================================




            SAVE THIS CRITERIA SET (Y/N) ?   Y


                  USER IDENTIFICATION CODE:   EIK

                        CRITERIA SET NAME:   COPYTEST




  PF3=END   PF4=MAIN MENU   PF5=TERMINATE

```

Figure 4-23 Criteria Disposition Screen

4.5.6   Running A Report From An Existing Criteria Set

You may run a report from an existing criteria set that was created for that report. Enter the report number and criteria set name on the Fixed Format Report Menu and press <ENTER>. The Submit Report Option screen (Figure 4-25) will appear and ask you if you want to submit your job without changing your criteria set. If you answer "Y" (Yes) you will be taken to the Fixed Report JCL Parameters screen to submit your job. If you answer "N" (No), you will be presented with all of the report's selection criteria screens to update your criteria set, the Criteria Disposition screen to save your criteria set and the Fixed Format Report JCL Parameters screen to submit the job.

```
DATE  :  09/08/92         AIRS FACILITY SUBSYSTEM              PGM:  AFP010
SCREEN:                      SUBMIT REPORT OPTION              MAP:  AFM0062
================================================================================


REPORT NAME:  AFS PLANT COMPLIANCE SUMMARY          CRITERIA NAME: 615TEST




            SUBMIT JOB WITHOUT CHANGING CRITERIA (Y OR N) :  _





 PF3=END  PF4=MAIN MENU  PF5=TERMINATE
```

Figure 4-25 Criteria Disposition Screen

5.0   Fixed Format Reports

The reports described in the section are the Fixed Format Reports that you can use to retrieve information from AFS. You access these reports by selecting them from the Fixed Format Report Menu.
This section provides information on how to develop these reports. Refer to Section 4 for an overview on generating Fixed Format reports.

The Fixed Format reports described in the section are:

Report Number	Report Name	Section
615	AFS Plant Compliance Summary	5.1
619	AFS Action Inventory	5.2
627	AFS Plant Compliance Inventory	5.3
632	AFS Class Code Verification	5.4
633	AFS Emissions by SIC Report	5.5
634	AFS Emission Ranking/Pollutant	5.6
643	AFS Distribution of Emissions	5.7
644	AFS Plant Emissions Inventory	5.8
645	AFS Missing Information Report	5.9
646	AFS Critical Data Elements	5.10
649	AFS County Point Source Summary	5.11
650	AFS Emission by SCC	5.12
651	AFS Data Completeness Reports	5.13
652	EPS Workfile	5.14
680	AFS Enforcement Action Summary	5.15
682	AFS Continuous Emissions Summary	5.16
684	Mailing Labels	5.17

5.1   Report 615 - AFS Plant Compliance Summary

5.1.1   Description

The AFS Plant Compliance Summary report provides a summary of plants within a geographic location for a specific emission classification, air program, operating status, and/or compliance status. It lists the plant's emission classification, operating status, compliance status and contributing air program, full name and address, date of last inspection, description and number of that action, and related point if pertinent.

You may customize this report by:

!   Generating the report to the screen, to the printer, or to a workfile, or any combination of the three.

!   Specifying selection criteria for data fields.

!   Specifying up to ten data fields on which to sort.

!   Creating an optional report title.

A sample of the report is shown in Figure 5-1.

```
DATE  : 09/28/92                        AFS PLANT COMPLIANCE SUMMARY
PGM: AFP615
===================================================================================================================
------  LAST                                       CL OPR  AIR      COMPLIANCE              ------ ACTION
REGN ST AQCR CNTY PLANT NAME/ADDRESS               CD STA  PROGRAMS STATUS       POINT NO.  TYP
DESCRIPTION    INSPECT                              --- ---  -------- ----------   ---------  ------
------  -----  ----    ------                      --
-------------------------------------------------------------------------------------------------------------------
04 37 165 111 00001 COATS AMERICAN (AMERICAN THREAD) A1 O    0        3 IN COMPL    22  S8  STTE
INSPECTION 92/05/21  HIGHWAY 221 NORTH
                     WOODLAWN                 28752

04 37 165 111 00011 BOYD CONTRACTORS              O    0        0 UNKNOWN     00001  1   27  ST
COMPL INSPT 90/07/24  HIWAY 70 WEST
                      NOT IN A CITY           28752

04 37 165 111 00021 GALEY & LORD CLINCHFIELD PLANT  O    0        0 UNKNOWN     00011  1   27  ST
COMPL INSPT 82/11/15  TANK & MAIN STREETS
                      NOT IN A CITY           28752

04 37 165 111 00024 COLLINS AND AIKMAN CORP      A2 O    0        3 IN COMPL    00021  21  S8  STTE
INSPECTION 91/09/09  DRAWER 669
                     OLD FORT                 28762

04 37 165 111 00027 CROSS MILLS INC              A1 O    0        3 IN COMPL    00024  30  S8  STTE
INSPECTION 92/02/06  CARSON STREET
                     MARIAN                   28752

04 37 165 111 00031 DREXEL PLANT 2 MARION        A1 O    0        W IN VIOLA    00027  16  S8  STTE
INSPECTION 91/09/09  361 BLUE RIDGE STREET
                     MARION                   28752

04 37 165 111 00035 ETHAN ALLEN-BL RIDGE         A1 X    0        9 IN COMPL    00031
                     COMMERCE STREET
                     OLD FORT                 28762

04 37 165 111 00036 ETHAN ALLEN - PINE VALLEY DIV A1 O    0        0 UNKNOWN            16  S8  STTE
INSPECTION 91/08/02  HWY 70
                     NOT IN A CITY            28762

04 37 165 111 00038 EXPLOSIVES SUPP-ASPH         A1 X    09       9 IN COMPL    00036  3   27  ST
COMPL INSPT 86/11/07  HIGHWAY 221 NORTH
                      SEVIER                  28752

04 37 165 111 00045 H & B LUMBER CO                O    0        0 UNKNOWN     90038  1   27  ST
COMPL INSPT 89/08/23  HIWAY 221N
                      NOT IN A CITY           28757
                                                                               00045
```

Figure 5-1   AFS Plant Compliance Summary Report

5.1.2   Output Selection Options

You may select the output destination of your report on the Report Destination screen as shown in Figure 5-2. The options are as follows:

> !   Generate a report to the screen. This option displays the report on the screen.

> !   Generate a printed report. This option generates the JCL to produce a printed report.

> !   Generate a workfile. This option generates a permanent workfile which can be printed and used at a later date.

```
 DATE  :  09/28/92         AIRS FACILITY SUBSYSTEM              PGM:   AFP010
                            REPORT DESTINATION                   MAP:   AFM0063
 ================================================================================


 REPORT NAME: AFS PLANT COMPLIANCE SUMMARY              CRITERIA NAME:


                       ENTER X FOR DESIRED OPTION (S)

            CHOOSE AT LEAST ONE OUTPUT

            _ 1.  GENERATE A REPORT TO THE SCREEN
            _ 2.  GENERATE A PRINTED REPORT
            _ 3.  GENERATE A WORKFILE






  PF3=END   PF4=MAIN MENU   PF5=TERMINATE
```

Figure 5-2   Report 615 Report Destination Screen

Instructions

You must choose at least one type of output destination and you may select two or three options. The screen requires that an "X" be entered for the desired options. When selection has been made, press <ENTER>.

If you choose a workfile, you will be required to specify a dataset name for it on the Fixed Report JCL Parameters screen.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the selection output screen if you make a mistake in specifying information.

ENTER 'X' TO SELECT AN OUTPUT OPTION.
> You pressed the enter key without marking an option with an X or marked the option with a non-X character.

REQUESTED FUNCTION KEY NOT ALLOCATED.
> You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, and PF5.

5.1.3   Data Selection Options

You may define the subset of the data you wish to retrieve for the report by using the Select Criteria screen shown in Figure 5-3.

```
DATE  :  09/28/92        AIRS FACILITY SUBSYSTEM              PGM:  AFP615
                            SELECT CRITERIA                   MAP:  AFM6151
=============================================================================
REPORT NAME: AFS PLANT COMPLIANCE SUMMARY         CRITERIA NAME:
ENTER OPTIONAL REPORT TITLE (Y/N):  _             EPA/STATE (E/S):   _

NATIONAL (Y/N):   _
REGION: __    STATE: __    AQCR: ___    COUNTY: ___   CITY: _____    PLANT: _____

PLEASE MARK THE DESIRED SELECTION CRITERIA FIELD(S) WITH ONE OF THE FOLLOWING
SELECTION CODES:  (E,U) WHERE E=EQUAL, U=UNEQUAL.

CLASSIFICATION CODE    AIR PROGRAM     OPERATING STATUS    COMPLIANCE STATUS
-------------------    -----------    ----------------    -----------------
       A1  _            0  _  6  _      O  _   R  _                IN  _
       A2  _            1  _  7  _      P  _   D  _               OUT  _
       UK  _            3  _  8  _      C  _   T  _           UNKNOWN  _
       B   _            4  _  9  _      X  _   S  _           ON SCHED  _
       E1  _                            I  _
       E2  _


 PF3=END   PF4=MAIN MENU   PF5=TERMINATE
```

Figure 5-3   Report 615 Select Criteria Screen

There are three groups of selection criteria. The first group consist of the following mandatory fields.

!   Optional Report Title

You must specify if you want an optional title ("Y") on your report. The optional title will appear as a subtitle under the primary report title. If you request the optional title, you will receive a screen to define the text of the title.

!   EPA/State

You must define whether you want EPA data or State data to be selected for your report. This definition is needed for the "dual" data elements that appear on the selection screen, such as Classification Code. The file contains two Classification Codes, one is defined for EPA use and the other is defined for State use.

The second group of selection criteria consists of "geographic" criteria. You must specify if the report is to be a National report. If you choose "Y", you will retrieve data from the United States, its territories, and trust possessions. If you enter a "N" for National then you must specify further geographical information of Region State, AQCR, or Program/Status Area. You may also further define the geographical area by specifying a County, City, or Plant.

The third set of selection criteria consists of the following fields.

!   Classification Code

     You may select one or more class codes. Valid values are E (Equal) and U (unequal). An "E"
     will include all data for the specified class code and a "U" will exclude all data for the
     specified class code. If you do not specify any selection, all Class codes will be included in
     the report.

     The definitions of the Class Codes are:
          A1   Major sources of pollution, over 100 tons per year.
          A2   Major sources of pollution, less than 100 tons per year.
          UK   Unknown level of pollution.
          B   Sources of pollution which produce nearly 100 tons per year.
          E1   Unregulated sources of pollution for Federal purposes; regulated for state
                 purposes at over 100 tons per year.
          E2   Unregulated sources of pollution for Federal purposes; regulated for state
                 purposes at less 100 tons per year.

!   Air Program

     You may select one or more Air Programs. Valid values are E (equal) and U (unequal). An
     "E" will include all data for the specified Air Program and a "U" will exclude all data for the
     specified Air Program. If you do not specify any selection, all Air Programs will be included
     in the report.

     The definitions of the Air Program codes are:
          0   SIP Source
          1   SIP Source Under Federal Jurisdiction
          3   Non-Federally Reportable Source
          4   CFC Tracking
          6   PSD
          7   NSR
          8   NESHAP
          9   NSPS

!   Operating status

     You may enter a selection for one or more of the operating statuses. Valid values are E
     (Equal) and U (unequal). An "E" will include all data for the specified operating status and
     a "U" will exclude all data for the specified operating status. If you do not specify any
     selection, all Operating Status codes will be included in the report.

     The definition of the Operating status codes are:
          O   Operating
          P   Planned
          C   Under construction
          X   Permanently closed
          I   Seasonal operation
          R   NESHAP Renovation
          D   NESHAP Demolition
          T   Temporary closed
          S   NESHAP Spraying

!   Compliance Status

     You may enter a selection for one or more of the compliance statuses. Valid values are E
     (Equal) and U (unequal). An "E" will include all data for the specified compliance status and
     a "U" will exclude all data for the specified compliance status. If you do not specify any

selection, all Compliance Status codes will be included in the report.

The definitions of Compliance Status codes are:
In	In compliance
Out	Not in compliance
Unknown	Status is unknown
On Sched	Plant is subject to meeting schedule of compliance and is meeting schedule deadlines.

Instructions

Enter selection criteria into the available fields on the screen, or alter the previously saved criteria displayed on the screen if you wish. Press <ENTER> when you have finished entering or altering the criteria.

Refer to the AFS Data Dictionary and the AIRS User's Guide Codes And Values for the valid values to use for selection criteria.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the data selection option screen if you make a mistake in specifying information.

DO NOT USE BOTH 'E' AND 'U' ON THE SAME ELEMENT.
You cannot select 'E' (equal) for one selection and 'U' (unequal) for another selection under the same element type for either Classification Code, Air Program, Operating Status, or Compliance Status.

EPA STATE INDICATOR MUST BE 'E' OR 'S'.
You entered no value or an invalid value for EPA/State field.

GEOGRAPHICAL SELECTION CRITERIA NOT ALLOWED FOR NATIONAL REPORT.
You entered Region, State, AQCR, County, City or Plant for a National report.

IF ALL VALUES ARE TO BE SET TO 'E', LEAVE ALL BLANK.
You entered 'E' (equal) for all selections under each element type including Classification Code, Air Program, Operating Status and Compliance Status. You can leave all of the entries blank if you want to extract data equal to all of the element values.

IF ALL VALUES ARE TO BE SET TO 'U', NO DATA WILL BE RETRIEVED.
You entered 'U' (unequal) for all selections under each element type including Classification Code, Air Program, Operating Status and Compliance Status. No data will be retrieved.

INVALID AIR QUALITY CONTROL REGION.
You have specified an invalid Air Quality Control Region (AQCR).

INVALID AIR QUALITY CONTROL REGION FOR STATE SPECIFIED.
You have specified an Air Quality Control Region (AQCR) which is invalid for the state specified.

INVALID CDS OR NEDS PLANT ID.
You have not used the proper format for the Plant id field. A CDS plant identification number is four characters long. A NEDS plant identification number is five characters long.

INVALID CITY CODE FOR AQCR SPECIFIED.
You have specified an invalid City code for the Air Quality Control Region specified.

INVALID CITY FOR STATE SPECIFIED.
You have specified a City which is invalid for the State specified.

INVALID COUNTY CODE FOR AQCR SPECIFIED.
> You have specified an invalid County code for the Air Quality Control Region specified.

INVALID COUNTY FOR STATE SPECIFIED.
> You have specified a County code which is invalid for the State specified.

INVALID PLANT FOR STATE AND COUNTY SPECIFIED.
> You have specified a Plant which is invalid for the State and County specified.

INVALID REGION CODE.
> You have specified an invalid Region code.

INVALID STATE.
> You have specified an invalid State code.

INVALID STATE FOR REGION SPECIFIED.
> You have specified a State that is invalid for the Region specified.

VALUE MUST BE 'Y' OR 'N'.
> You must enter either 'Y' for YES or 'N' for NO in the Optional Report Title field and in the National field.

REGION REQUIRED IF NOT A NATIONAL REPORT.
> Since the National field is 'N' (not a national report), the Region value must be supplied.

STATE AND COUNTY REQUIRED IF PLANT IS SPECIFIED.
> You specified a Plant code but have not specified both State and County codes.

STATE CODE REQUIRED IF CITY CODE IS SPECIFIED.
> You have entered a City code but have not entered a State code.

STATE CODE REQUIRED IF COUNTY CODE IS SPECIFIED.
> You have entered a County code but have not entered a State code.

5.1.4   Data Sorting Options

You may specify up to ten data fields on which to sort. They are:

   ! Region
   ! State
   ! AQCR
   ! County
   ! Plant ID
   ! Plant Name
   ! Classification Code
   ! Air Program Code
   ! Operating Status
   ! Compliance Status

The Sort Criteria Screen for this report is shown in Figure 5-4.

```
DATE  :  09/28/92        AIRS FACILITY SUBSYSTEM              PGM:  AFP615
                            SORT CRITERIA                     MAP:  AFM6152
================================================================================
REPORT NAME: AFS PLANT COMPLIANCE SUMMARY              CRITERIA NAME:


  1 REGION                5 PLANT ID               9 OPERATING STATUS

  2 STATE                 6 PLANT NAME            10 COMPLIANCE STATUS

  3 AQCR                  7 CLASSIFICATION CODE

  4 COUNTY                8 AIR PROGRAM CODE


ENTER THE NUMBERS OF THE SORT ELEMENTS ABOVE IN THE DESIRED SORT SEQUENCE:

    __     __     __     __     __     __     __     __     __     __



 PF3=END  PF4=MAIN MENU  PF5=TERMINATE  PF6=PAGE UP
```

Figure 5-4   Report 615 Sort Criteria Screen

Instructions

Choose the sort elements for your report and press <ENTER>.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the screen if you make a mistake in specifying information.

A SORTING DATA ELEMENT MAY BE USED ONLY ONCE.
> You cannot enter the same sort sequence number multiple times.

REQUESTED FUNCTION KEY NOT ALLOCATED.
> You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, PF5, and PF6.

SORTING VALUES MUST BE NUMERIC.
> You entered a non-numeric value.

VALUE MUST BE IN THE RANGE OF 1 TO 10.
> You entered a sort value outside the allowable range.

ZERO OR BLANK ENTRY NOT ALLOWED EXCEPT AT END.
> You entered a zero or blank value in an occurrence between occurrences with valid values.

5.1.5   Optional Report Title

This screen allows you to customize your report by providing a sub-title on each report. This title will appear directly under the primary report title. This optional title can be 50 characters in length. You will receive this screen if you answer "Y" (Yes) to the Optional Report Title query on the Select Criteria screen.

The Optional Report Title screen is shown in Figure 5-5.

```
DATE  :  09/28/92        AIRS FACILITY SUBSYSTEM              PGM:  AFP615
                          OPTIONAL REPORT TITLE               MAP:  AFM0064
==============================================================================
REPORT NAME:  AFS PLANT COMPLIANCE SUMMARY            CRITERIA NAME:


REPORT TITLE: _____






    PF3=END   PF4=MAIN MENU   PF5=TERMINATE   PF6=PAGE UP
```

Figure 5-5   Report 615 Optional Report Title Screen

Instructions

Type the text of your optional title and press <ENTER>. If you selected this screen by accident or changed your mind after you selected it, and don't want an optional title on your report, you may leave the field blank and press <ENTER>.

Error Messages

The error message listed below is displayed at the top of the data selection option screen if you make a mistake in specifying information.

REQUESTED FUNCTION KEY NOT ALLOCATED.
      You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, PF5, and PF6.

5.1.6   Workfile Description

One header (or leading record) is created for the file. This record displays the data that is created for the file
data records. The following is a description of the data record.

FIRST BYTE	FIELD SIZE	FIELD TYPE	FIELD NAME		REMARKS (AFS ACRONYM)
1	85	A	Sort Area		Area used by program to sort file
86	2	A	Region Code		REGN
88	2	A	State Code		STTE
90	3	A	AQCR (Area Quality Control Region)		AQCR
93	3	A	County Code		CNTY
96	30	A	County Name		CTNM
126	5	A	CDS Plant ID		PCDS
131	40	A	Plant Name		PNME
171	2	A	Classification Code		ECL1[1] or SCL1[2]
173	1	A	Operating Status		OPST
174	10	A	Air Program Codes		APC1
184	1	A	Compliance Status		ECS1[1] or SCL1[2]
185	30	A	Street Address	STRT	
215	30	A	City Name		CYNM
245	9	A	Zip Code		ZIPC
254	6	A	Inspection Date Achieved		EDS1[1] or SDS1[2]
260	3	A	Point Number		PNUM
263	1	A	Point Compliance Emission Identifier		CEID
264	5	A	Point Indirect State Source ID		IS37
269	2	A	Action Type		ATP1
271	3	A	Action Number	ANU1	
274	5	A	Action Indirect State Source ID	IS17	
279	15	A	Action Description		ACD1
294	8	A	Compliance Description		EDS1[1] or SDS1[2]

---

[1]   This is the EPA data element that appears if you chose "E" for the EPA/State indicator on the
selection screen.

[2]   This is the State data element that appears if you chose "S" for the EPA/State indicator on the
selection screen.

5.2   Report 619 - AFS Action Inventory

5.2.1   Description

The AFS Action Inventory report inventories both plant level and point level actions for specific plants or for plants within a geographic location. The report lists the classification code, operating status, compliance status, the number, type and description of each action air programs, pollutant, penalty amount, and scheduled and achieved dates for each plant selected.

You may customize this report by:

!   Generating the report to the screen, to the printer, or to a workfile, or any combination of the three.

!   Specifying selection criteria for data fields.

!   Specifying up to twelve data fields on which to sort.

!   Creating an optional report title.

A sample of the report is shown in Figure 5-6.

```
DATE: 09/28/92                          AFS ACTION INVENTORY
PGM:  AFP619
PAGE:    2
================================================================================================
                                                      CLAS OPER COMP        ACTION      AIR  POLLUTANT
PENALTY SCHED./
REG ST AQCR CNTY PLANT NAME/ADDRESS                   CODE STAT STAT NO. TYPE DESC.     PGMS /CAS#
AMOUNT ACHIEVED
---- -- ---- ---- -----------------------------       ---- ---- ---- --- ---- -------------  -- --------
04 37  165  111 00001 COATS AMERICAN (AMERICAN THREAD) A1   O    3    8   74 STTE WARN L   0
 0 86/01/13
                      HIGHWAY 221 NORTH                               00001
                      WOODLAWN               28752                9   03 FEDERAL DAY   0
   86/01/13
 0 86/06/09                                                          00001
    /  /                                                      10  02 FEDERAL DAY   0
 0 86/03/24                                                          00001
    /  /                                                      11  01 FEDERL DAY    0
 0 86/02/09                                                          00001
   86/02/09                                                   12  27 ST COMPL IN   0
 0 86/01/09                                                          00001
   86/01/09                                                   13  90 DAY 90 T/A    0
 0 86/05/09                                                          00001
    /  /                                                      14  56 STTE NOT OF   0
 0 86/01/15                                                          00001
   86/01/15                                                   15  E5 FINAL COMPL   0
 0 86/04/30                                                          00001
   86/04/30                                                   16  27 ST COMPL IN   0
 0 87/03/04                                                          00001
   87/03/04                                                   17  27 ST COMPL IN   0
 0 88/03/03                                                          00001
```

Figure 5-6   AFS Action Inventory Report

5.2.2   Output Selection Options

You may select the output destination of your report on the Report Destination screen as shown in Figure 5-7. The options are as follows:

> !   Generate a report to the screen. This option displays the report on the screen.

> !   Generate a printed report. This option generates the JCL to produce a printed report.

> !   Generate a workfile. This option generates a permanent workfile which can be printed and used at a later date.

```
DATE  :  09/28/92          AIRS FACILITY SUBSYSTEM              PGM:  AFP010
                             REPORT DESTINATION                 MAP:  AFM0063
================================================================================


REPORT NAME: AFS ACTION INVENTORY                     CRITERIA NAME:


                        ENTER X FOR DESIRED OPTION (S)

            CHOOSE AT LEAST ONE OUTPUT

            _ 1.   GENERATE A REPORT TO THE SCREEN
            _ 2.   GENERATE A PRINTED REPORT
            _ 3.   GENERATE A WORKFILE




 PF3=END   PF4=MAIN MENU   PF5=TERMINATE
```

Figure 5-7   Report 619 Report Destination Screen

Instructions

You must choose at least one type of output destination and you may select two or three options. The screen requires that an "X" be entered for the desired options. When selection has been made, press <ENTER>.

If you choose a workfile, you will be required to specify a dataset name for it on the Fixed Report JCL Parameters screen.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the selection output screen if you make a mistake in specifying information.

ENTER 'X' TO SELECT AN OUTPUT OPTION.
> You pressed the enter key without marking an option with an X or marked the option with a non-X character.

REQUESTED FUNCTION KEY NOT ALLOCATED.
> You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, and PF5.

5.2.3   Data Selection Options

You may define the subset of the data you wish to retrieve for the report by using the Select Criteria screen shown in Figure 5-8.

```
DATE  :  09/28/92        AIRS FACILITY SUBSYSTEM              PGM:  AFP619
                             SELECT CRITERIA                  MAP:  AFM6191
==============================================================================
REPORT NAME: AFS ACTION INVENTORY                   CRITERIA NAME:
ENTER OPTIONAL REPORT TITLE (Y/N): _                EPA/STATE (E/S): _

NATIONAL (Y/N):   _
REGION: __    STATE: __    AQCR: ___    COUNTY: ___    CITY: _____    PLANT: _____

PLEASE SUPPLY VALUES OR MARK THE DESIRED SELECTION CRITERIA FIELD(S) WITH ONE
OF THE FOLLOWING SELECTION CODES:  (E,U) WHERE E=EQUAL, U=UNEQUAL.
                                                    ACTION    DATE SCHEDULED
CLASS CODE   AIR PROGRAM   OPERATING STATUS   COMPLIANCE    TYPE    RANGE (MMYY)
----------   -----------   ----------------   -----------   ------   ____ - ____
  A1  _       0 _  6 _       O  _   R  _          IN  _      __
  A2  _       1 _  7 _       P  _   D  _          OUT _      __       DATE ACHIEVED
  UK  _       3 _  8 _       C  _   T  _       UNKNOWN _     __       RANGE (MMYY)
  B   _       4 _  9 _       X  _   S  _       ON SCHED _    __       ____ - ____
  E1  _                      I  _                            __
  E2  _                                             NATIONAL (Y/N): _


 PF3=END   PF4=MAIN MENU   PF5=TERMINATE
```

Figure 5-8   Report 619 Select Criteria Screen

There are three groups of selection criteria. The first group consist of the following mandatory fields.

!   Optional Report Title

        You must specify if you want an optional title ("Y") on your report. The optional title will appear as a subtitle under the primary report title. If you request the optional title, you will receive a screen to define the text of the title.

!   EPA/State

        You must define whether you want EPA data or State data to be selected for your report. This definition is needed for the "dual" data elements that appear on the selection screen, such as Classification Code. The file contains two Classification Codes, one is defined for EPA use and the other is defined for State use.

The second group of selection criteria consists of "geographic" criteria. You must specify if the report is to be a National report. If you choose "Y", you will retrieve data from the United States, its territories, and trust possessions. If you enter a "N" for National then you must specify further geographical information of Region State, AQCR, or Program/Status Area. You may also further define the geographical area by specifying a County, City, or Plant.

The third set of selection criteria consists of the following fields.

- ! Class Code

  You may select one or more class codes. Valid values are E (Equal) and U (unequal). An "E" will include all data for the specified class code and a "U" will exclude all data for the specified class code. If you do not specify any selection, all Class codes will be included in the report.

  The definitions of the Class Codes are:
  - A1   Major sources of pollution, over 100 tons per year.
  - A2   Major sources of pollution, less than 100 tons per year.
  - UK   Unknown level of pollution.
  - B   Sources of pollution which produce nearly 100 tons per year.
  - E1   Unregulated sources of pollution for Federal purposes; regulated for state purposes at over 100 tons per year.
  - E2   Unregulated sources of pollution for Federal purposes; regulated for state purposes at less 100 tons per year.

- ! Air Program

  You may select one or more Air Programs. Valid values are E (equal) and U (unequal). An "E" will include all data for the specified Air Program and a "U" will exclude all data for the specified Air Program. If you do not specify any selection, all Air Programs will be included in the report.

  The definitions of the Air Program codes are:
  - 0   SIP Source
  - 1   SIP Source Under Federal Jurisdiction
  - 3   Non-Federally Reportable Source
  - 4   CFC Tracking
  - 6   PSD
  - 7   NSR
  - 8   NESHAP
  - 9   NSPS

- ! Operating status

  You may enter a selection for one or more of the operating statuses. Valid values are E (Equal) and U (unequal). An "E" will include all data for the specified operating status and a "U" will exclude all data for the specified operating status. If you do not specify any selection, all Operating Status codes will be included in the report.

  The definition of the Operating status codes are:
  - O   Operating
  - P   Planned
  - C   Under construction
  - X   Permanently closed
  - I   Seasonal operation
  - R   NESHAP Renovation
  - D   NESHAP Demolition
  - T   Temporary closed
  - S   NESHAP Spraying

- ! Compliance

  You may enter a selection for one or more of the compliance statuses. Valid values are E (Equal) and U (unequal). An "E" will include all data for the specified compliance status and a "U" will exclude all data for the specified compliance status. If you do not specify any

selection, all Compliance Status codes will be included in the report.

The definitions of Compliance Status codes are:

In	In compliance
Out	Not in compliance
Unknown	Status is unknown
On Sched	Plant is subject to meeting schedule of compliance and is meeting schedule deadlines.

! Action Type

You may specify up to five action types.

! National

If you enter Action Type(s), you must specify whether the Action Type(s) are National or Region types.

! Date Scheduled Range (MMYY)

You may specify a range of dates for Date Scheduled.

! Date Achieved Range (MMYY)

You may specify a range of dates for Date Achieved.

Instructions

Enter selection criteria into the available fields on the screen, or alter the previously saved criteria displayed on the screen if you wish. Press <ENTER> when you have finished entering or altering the criteria.

Refer to the AFS Data Dictionary and the AIRS User's Guide Codes And Values for the valid values to use for selection criteria.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the data selection option screen if you make a mistake in specifying information.

ACTION TYPE IS REQUIRED.
    You entered either a 'N' (no) or 'Y' (yes) for a National report and did not specify an Action Type.

CANNOT SPECIFY NATIONAL RETRIEVAL FOR REGIONAL ACTION TYPE.
> You have specified a National retrieval (indicated by 'Y') and have entered a regional Action Type as well as 'N' (no) for the National Action Type retrieval indicator.

DO NOT USE BOTH 'E' AND 'U' ON THE SAME ELEMENT.
> You cannot select 'E' (equal) for one selection and 'U' (unequal) for another selection under the same element type for either Classification Code, Air Program, Operating Status, or Compliance Status.

EPA STATE INDICATOR MUST BE 'E' OR 'S'.
> You entered no value or an invalid value for EPA/State field.

GEOGRAPHICAL SELECTION CRITERIA NOT ALLOWED FOR NATIONAL REPORT.
> You entered Region, State, AQCR, County, City or Plant for a National report.

IF ALL VALUES ARE TO BE SET TO 'E', LEAVE ALL BLANK.
> You entered 'E' (equal) for all selections under each element type including Classification Code, Air Program, Operating Status and Compliance Status. You can leave all of the entries blank if you want to extract data equal to all of the element values.

IF ALL VALUES ARE TO BE SET TO 'U', NO DATA WILL BE RETRIEVED.
> You entered 'U' (unequal) for all selections under each element type including Classification Code, Air Program, Operating Status and Compliance Status. No data will be retrieved.

INVALID AIR QUALITY CONTROL REGION.
> You have specified an invalid Air Quality Control Region (AQCR).

INVALID AIR QUALITY CONTROL REGION FOR STATE SPECIFIED.
> You have specified an Air Quality Control Region (AQCR) which is invalid for the state specified.

INVALID CITY CODE FOR AQCR SPECIFIED.
> You have specified an invalid City code for the Air Quality Control Region specified.

INVALID CITY FOR STATE SPECIFIED.
> You have specified a City which is invalid for the State specified.

INVALID COUNTY CODE FOR AQCR SPECIFIED.
> You have specified an invalid County code for the Air Quality Control Region specified.

INVALID COUNTY FOR STATE SPECIFIED.
> You have specified a County code which is invalid for the State specified.

INVALID DATE ACHIEVED.
> You have specified an incorrect format in the Date Achieved Range.

INVALID DATE SCHEDULED.
> You have specified an incorrect format in the Date Scheduled Range.

INVALID NATIONAL ACTION TYPE.
> You have specified an invalid national Action Type.

INVALID PLANT FOR STATE AND COUNTY SPECIFIED.
> You have specified a Plant which is invalid for the State and County specified.

INVALID REGION CODE.
> You have specified an invalid Region code.

INVALID REGIONAL ACTION TYPE.
> You have specified an invalid regional Action Type.

INVALID STATE.
> You have specified an invalid State code.

INVALID STATE FOR REGION SPECIFIED.
> You have specified a State that is invalid for the Region specified.

"PROCESS FROM DATE" MUST BE EARLIER THAN "PROCESS TO DATE".
> You have specified a "process from date" that is later than the specified "process to date" for either the Date Scheduled Range or the Date Achieved Range.

REGION REQUIRED FOR REGIONAL ACTION TYPE.
> You have specified 'N' for a National retrieval but have not included a Region code in your selection.

VALUE MUST BE 'Y' OR 'N'.
> You must enter either 'Y' for YES or 'N' for NO in the Optional Report Title field, the National report field, and if the Action Type has been entered; in the National action type field.

5.2.4   Data Sorting Options

You may specify up to twelve data fields on which to sort. They are:

!   Region
!   State
!   AQCR
!   County
!   Plant ID
!   Plant Name
!   Classification Code
!   Operating Status
!   Compliance Status
!   Action Type
!   Date Scheduled
!   Date Achieved

The Sort Criteria Screen for this report is shown in Figure 5-9.

```
 DATE  :  09/28/92          AIRS FACILITY SUBSYSTEM                PGM:  AFP619
                               SORT CRITERIA                       MAP:  AFM6192
 ================================================================================
 REPORT NAME:  AFS ACTION INVENTORY                      CRITERIA NAME:

  1 REGION                 5 PLANT ID               9 COMPLIANCE STATUS

  2 STATE                  6 PLANT NAME            10 ACTION TYPE

  3 AQCR                   7 CLASSIFICATION CODE   11 DATE SCHEDULED

  4 COUNTY                 8 OPERATING STATUS      12 DATE ACHIEVED


  ENTER THE NUMBERS OF THE SORT ELEMENTS ABOVE IN THE DESIRED SORT SEQUENCE:
     __    __    __    __    __    __    __    __    __    __    __    __



  PF3=END   PF4=MAIN MENU   PF5=TERMINATE   PF6=PAGE UP
```

Figure 5-9   Report 619 Sort Criteria Screen

Instructions

Choose the sort elements for your report and press <ENTER>.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the screen if you make a mistake in specifying information.

A SORTING DATA ELEMENT MAY BE USED ONLY ONCE.
>   You cannot enter the same sort sequence number multiple times.

REQUESTED FUNCTION KEY NOT ALLOCATED.
>   You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, PF5, and PF6.

SORTING VALUES MUST BE NUMERIC.
>   You entered a non-numeric value.

VALUE MUST BE IN THE RANGE OF 1 TO 12.
>   You entered a sort value outside the allowable range.

ZERO OR BLANK ENTRY NOT ALLOWED EXCEPT AT END.
>   You entered a zero or blank value in an occurrence between occurrences with valid values.

5.2.5   Optional Report Title

This screen allows you to customize your report by providing a sub-title on each report. This title will appear directly under the primary report title. This optional title can be 50 characters in length. You will receive this screen if you answer "Y" (Yes) to the Optional Report Title query on the Select Criteria screen.

The Optional Report Title screen is shown in Figure 5-10.

```
DATE  :  09/28/92          AIRS FACILITY SUBSYSTEM              PGM:  AFP619
                            OPTIONAL REPORT TITLE                MAP:  AFM0064
===============================================================================
REPORT NAME:  AFS ACTION INVENTORY                    CRITERIA NAME:


REPORT TITLE: _____










   PF3=END   PF4=MAIN MENU   PF5=TERMINATE   PF6=PAGE UP
```

Figure 5-10 Report 619 Optional Report Title Screen

Instructions

Type the text of your optional title and press <ENTER>. If you selected this screen by accident or changed your mind after you selected it, and don't want an optional title on your report, you may leave the field blank and press <ENTER>.

Error Messages

The error message listed below is displayed at the top of the data selection option screen if you make a mistake in specifying information.

REQUESTED FUNCTION KEY NOT ALLOCATED.
        You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, PF5, and PF6.

5.2.6   Workfile Description

One header (or leading record) is created for the file. This record displays the data that is created for the file data records. The following is a description of the data record.

FIRST BYTE	FIELD SIZE	FIELD TYPE	FIELD NAME		REMARKS (AFS ACRONYM)
1	106	A	Sort Area		Area used by program to sort file
107	2	A	Region Code		REGN
109	2	A	State Code		STTE
111	3	A	AQCR (Area Quality Control Region)		AQCR
114	3	A	County Code		CNTY
117	5	A	CDS Plant ID		PCDS
122	2	A	Classification Code		ECL1[1] or SCL1[2]
124	1	A	Operating Status		OPST
125	1	A	Compliance Status		ECS1[1] or SCL1[2]
126	3	A	Action Number	ANU1	
129	5	A	Action Indirect State Source ID	IS17	
134	3	A	Plant Key Action 1		KAN1
137	3	A	Plant Key Action 2		KAN1
140	3	A	Plant Key Action 3		KAN1
143	3	A	Plant Key Action 4		KAN1
146	3	A	Plant Key Action 5		KAN1
149	2	A	Action Type		ATP1
151	15	A	Action Description		ACD1
166	1	A	Air Program Description 1		APC1
167	1	A	Air Program Description 2		APC1
168	1	A	Air Program Description 3		APC1
169	1	A	Air Program Description 4		APC1
170	1	A	Air Program Description 5		APC1
171	1	A	Air Program Description 6		APC1
172	9	A	Pollutant Code/Chemical Abstract Service No		PLC1[3] or CAA1[4]
181	7	N	Penalty Amount		PAM3
188	6	A	Date Scheduled		DTS1
194	6	A	Date Achieved		DTA1
200	3	A	Point Number		PNUM
203	1	A	Point Compliance Emission Identifier		CEID
204	5	A	Point Indirect State Source ID		IS37
209	3	A	Point Key Action 1		KAN3
212	3	A	Point Key Action 2		KAN3
215	3	A	Point Key Action 3		KAN3
218	3	A	Point Key Action 4		KAN3
221	3	A	Point Key Action 5		KAN3
224	8	A	Plant General ISN (File ID)		
232	8	A	Action Point ISN (File ID)		
240	2	A	Filler		

---

[1]   This is the EPA data element that appears if you chose "E" for the EPA/State indicator on the selection screen.

[2]   This is the State data element that appears if you chose "S" for the EPA/State indicator on the selection screen.

[3]   This is the data element that appears if a pollutant code is associated with the action.

[4]   This is the data element that appears if a chemical abstract number is associated with the action.

5.3   Report 627 - AFS Plant Compliance Inventory

5.3.1   Description

The AFS Plant Compliance Inventory report provides a listing of all compliance information for user-specified plants. The selection criteria determine which plants will appear on the report. The output criteria determines which level(s) will be displayed (plant, stack, point, segment) and, at those levels, which types of data (actions, comments).

You may customize this report by:

> !   Generating the report to the printer, to a workfile, or to both.

> !   Specifying selection criteria for data fields.

> !   Specifying up to ten data fields on which to sort.

> !   Creating an optional report title.

A sample of the report (for a plant level) is shown in Figure 5-11A and Figure 5-11B.

```
                              AFS COMPLIANCE SOURCE DATA REPORT

DATE: 09/29/92
   PGM: AFP627

   PAGE:    2

PLANT: 00011 - BOYD CONTRACTORS                 GOV'T FACILITY CODE: 0 - ALL OTHER FACILITIES NOT
OWNED OR OPER.
STATE: NC/37 CITY: 00000 - NOT IN A CITY        AIR-PROGRAM CODE(S): 0
COUNTY: 111 - MC DOWELL CO  AQCR: 165           OPERATING STATUS  : O - OPERATING

PLANT NAME: BOYD CONTRACTORS                    LAST PLANT UPDATE : 91/04/04
ADDRESS  : HIWAY 70 WEST                         REGIONAL PLANNING :
CITY,STATE: NOT IN A CITY,NC 28752              LOCAL CONTROL REGN:
                                                INSPECTOR :
                                                MONITORING INFORMATION:
DUNN & BRADSTREET:                                SOURCE:      AMBIENT:
EPA ID NUMBER  :
                                                MAILING ADDRESS:
STANDARD INDUSTRIAL CLASSIFICATIONS:              NAME    :
1442 - CONSTRUCTION SAND AND GRAVEL               ADDRESS :
   -                                              CITY,STATE:
   -

--------------
SIGNIFICANT VIOLATOR FLAGS:                      ----------STATE----------
------EPA------
                                                COMPLIANCE     : 0 - UNKNOWN COMPLIANCE STATUS : -
                                                CLASSIFICATION:                                :
TYPE:                                           LAST INSPECT. : 90/07/24  TYPE: 27             :  / /

OPERATING STATUS: O - OPERATING                 GOVT FAC.: 0 - ALL OTHER FACILITIES NOT    PRIORITY :  -
STATE REGISTRATION:                             CAPACITY:          0                        CEMSS INFO (Y/N):
PLANT DESCRIPTION:                              COMPLIANCE CONTACT  : HAROLD BOYD , (704) 652-7211

AIR PROGRAM CODES:
0 - SIP   O - OPERATING
   INSPECTIONS:                                 ----------STATE----------
------EPA------
   EVEN YEAR :   STRATEGY:   FREQUENCY:         COMPLIANCE     : 0 - UNKNOWN COMPLIANCE STATUS : -
```

Figure 5-11A AFS Plant Compliance Inventory Report (Page 1)

```
DATE: 09/29/92                    AFS COMPLIANCE SOURCE DATA REPORT
    PGM: AFP627

    PAGE:    3

PLANT: 00011 - BOYD CONTRACTORS                    GOV'T FACILITY CODE: 0 - ALL OTHER FACILITIES NOT
OWNED OR OPER.
STATE: NC/37 CITY: 00000 - NOT IN A CITY           AIR-PROGRAM CODE(S): 0
COUNTY: 111 - MC DOWELL CO  AQCR: 165              OPERATING STATUS  : O - OPERATING

EPA: (YY/MM)
 1:  92/09   2:  92/08   3:  92/07   4:  92/06   5:  92/05   6:  92/04   7:  92/03
 8:  92/02   9:  92/01  10:  91/12  11:  91/11  12:  91/10  13:  91/09  14:  91/08  15:  91/07
16:  91/06  17:  91/05  18:  91/04  19:     /   20:     /   21:     /   22:     /   23:     /
24:     /

QUARTERLY:
  STATE: (YY/QQ)
 1: 0 92/03   2: 0 92/02   3: 0 92/01   4: 0 91/04   5: 0 91/03   6: 0 91/02   7:     /
 8:     /

  EPA: (YY/QQ)
 1:  92/03   2:  92/02   3:  92/01   4:  91/04   5:  91/03   6:  91/02   7:     /
 8:     /

AIR PROGRAM POLLUTANTS:

    PX  - POLLUTANT X
------------EPA-----------              -----------STATE----------
    LOADING:     -          COMPLIANCE     : 0 - UNKNOWN COMPLIANCE STATUS : -  : -
    RDE14  :                CLASSIFICATION:                              : -  : 
    TOXICITY LEVEL:         ATTAIN/NONATTN: -
    STATE REGULATION NUMBER:
```

Figure 5-11B AFS Plant Compliance Inventory Report (Page 2)

5.3.2   Output Selection Options

You may select the output destination of your report on the Report Destination screen as shown in Figure 5-12. The options are as follows:

  !   Generate a printed report. This option generates the JCL to produce a printed report.

  !   Generate a workfile. This option generates a permanent workfile which can be printed and used at a later date.

```
 DATE  :  09/28/92          AIRS FACILITY SUBSYSTEM               PGM:  AFP010
                               REPORT DESTINATION                 MAP:  AFM0067
 =============================================================================

 REPORT NAME: AFS PLANT COMPLIANCE INVENTORY          CRITERIA NAME:


                       ENTER X FOR DESIRED OPTION(S)


                CHOOSE AT LEAST ONE OUTPUT

              _  1.   GENERATE A PRINTED REPORT
              _  2.   GENERATE A WORKFILE




  PF3=END   PF4=MAIN MENU   PF5=TERMINATE
```

Figure 5-12 Report 627 Report Destination Screen

Instructions

You must choose at least one type of output destination and you may select two or three options. The screen requires that an "X" be entered for the desired options. When selection has been made, press <ENTER>.

If you choose a workfile, you will be required to specify a dataset name for it on the Fixed Report JCL Parameters screen.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the selection output screen if you make a mistake in specifying information.

ENTER 'X' TO SELECT AN OUTPUT OPTION.
> You pressed the enter key without marking an option with an X or marked the option with a non-X character.

REQUESTED FUNCTION KEY NOT ALLOCATED.
> You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, and PF5.

5.3.3   Data Selection Options

You may define the subset of the data you wish to retrieve for the report by using the Select Criteria screen shown in Figure 5-13.

```
DATE  :  09/28/92          AIRS FACILITY SUBSYSTEM              PGM:  AFP627
                               SELECT CRITERIA                   MAP:  AFM6271
================================================================================
REPORT NAME:  AFS PLANT COMPLIANCE INVENTORY          CRITERIA NAME:
ENTER OPTIONAL REPORT TITLE (Y/N): _                  EPA OR STATE :  _

NATIONAL (Y/N): _
REGION: __   STATE: __   AQCR: ____   COUNTY: ___   CITY: _____   PLANT: _____

LEVELS:  PLANT (Y/N): _     STACK (Y/N): _     POINT (Y/N): _     SEGMENT (Y/N): _
WITH:    ACTIONS (Y/N): _  COMMENTS (Y/N): _    AND NAMES STARTING WITH: _ TO _

PLEASE MARK THE DESIRED SELECTION CRITERIA FIELD(S) WITH ONE OF THE FOLLOWING
SELECTION CODES:  (E,U) WHERE E=EQUAL, U=UNEQUAL.

   CLASSIFICATION CODE     AIR PROGRAM     OPERATING STATUS   COMPLIANCE STATUS
           A1 _            0 _   6 _          O _   R _                 IN _
           A2 _            1 _   7 _          P _   D _                OUT _
           UK _            3 _   8 _          C _   T _            UNKNOWN _
           B  _            4 _   9 _          X _   S _            ON SCHED _
           E1 _                               I _
           E2 _
```

Figure 5-13 Report 627 Select Criteria Screen

There are four groups of selection criteria. The first group consist of the following mandatory fields.

!   Optional Report Title

         You must specify if you want an optional title ("Y") on your report. The optional title will appear as a subtitle under the primary report title. If you request the optional title, you will receive a screen to define the text of the title.

!   EPA/State

         You must define whether you want EPA data or State data to be selected for your report. This definition is needed for the "dual" data elements that appear on the selection screen, such as Classification Code. The file contains two Classification Codes, one is defined for EPA use and the other is defined for State use.

The second group of selection criteria consists of "geographic" criteria. You must specify if the report is to be a National report. If you choose "Y", you will retrieve data from the United States, its territories, and trust possessions. If you enter a "N" for National then you must specify further geographical information of Region State, AQCR, or Program/Status Area. You may also further define the geographical area by specifying a County, City, or Plant.

The third set of selection criteria allows you to define the level of plant data you want for your report. You must specify if you want to retrieve the level ("Y" for Yes) or not ("N" for No). The levels you can choose are Plant, Stack, Point, and Segment. You can further define whether you want actions and comments.

The fourth set of selection criteria consists of the following fields.

!   Classification Code

         You may select one or more class codes. Valid values are E (Equal) and U (unequal). An "E" will include all data for the specified class code and a "U" will exclude all data for the specified class code. If you do not specify any selection, all Class codes will be included in the report.

         The definitions of the Class Codes are:
         A1   Major sources of pollution, over 100 tons per year.
         A2   Major sources of pollution, less than 100 tons per year.
         UK   Unknown level of pollution.
         B   Sources of pollution which produce nearly 100 tons per year.
         E1   Unregulated sources of pollution for Federal purposes; regulated for state purposes at over 100 tons per year.
         E2   Unregulated sources of pollution for Federal purposes; regulated for state purposes at less 100 tons per year.

!   Air Program

         You may select one or more Air Programs. Valid values are E (equal) and U (unequal). An "E" will include all data for the specified Air Program and a "U" will exclude all data for the specified Air Program. If you do not specify any selection, all Air Programs will be included in the report.

         The definitions of the Air Program codes are:
         0   SIP Source
         1   SIP Source Under Federal Jurisdiction
         3   Non-Federally Reportable Source
         4   CFC Tracking
         6   PSD
         7   NSR
         8   NESHAP
         9   NSPS

!   Operating status

         You may enter a selection for one or more of the operating statuses. Valid values are E (Equal) and U (unequal). An "E" will include all data for the specified operating status and a "U" will exclude all data for the specified operating status. If you do not specify any selection, all Operating Status codes will be included in the report.

The definition of the Operating status codes are:

O	Operating
P	Planned
C	Under construction
X	Permanently closed
I	Seasonal operation
R	NESHAP Renovation
D	NESHAP Demolition
T	Temporary closed
S	NESHAP Spraying

!   Compliance Status

You may enter a selection for one or more of the compliance statuses. Valid values are E (Equal) and U (unequal). An "E" will include all data for the specified compliance status and a "U" will exclude all data for the specified compliance status. If you do not specify any selection, all Compliance Status codes will be included in the report.

The definitions of Compliance Status codes are:

In	In compliance
Out	Not in compliance
Unknown	Status is unknown
On Sched	Plant is subject to meeting schedule of compliance and is meeting schedule deadlines.

Instructions

Enter selection criteria into the available fields on the screen, or alter the previously saved criteria displayed on the screen if you wish. Press <ENTER> when you have finished entering or altering the criteria.

Refer to the AFS Data Dictionary and the AIRS User's Guide Codes And Values for the valid values to use for selection criteria.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the data selection option screen if you make a mistake in specifying information.

DO NOT USE BOTH 'E' AND 'U' ON THE SAME ELEMENT.
     You cannot select 'E' (equal) for one selection and 'U' (unequal) for another selection under the same element type for either Classification Code, Air Program, Operating Status, or Compliance Status.

ENTER BOTH VALUES FOR A RANGE.
     You entered one value for the range of plant names.

MINIMUM VALUE MUST BE LESS THAN MAXIMUM.
     You entered a minimum value that is greater than the maximum value specified for the range of plant names.

EPA STATE INDICATOR MUST BE 'E' OR 'S.'
     You entered no value or an invalid value for EPA/State field.

GEOGRAPHICAL SELECTION CRITERIA NOT ALLOWED FOR NATIONAL REPORT.
     You entered Region, State, AQCR, County, City or Plant for a National report.

IF ALL VALUES ARE TO BE SET TO 'E', LEAVE ALL BLANK.

You entered 'E' (equal) for all selections under each element type including Classification Code, Air Program, Operating Status and Compliance Status. You can leave all of the entries blank if you want to extract data equal to all of the element values.

IF ALL VALUES ARE TO BE SET TO 'U', NO DATA WILL BE RETRIEVED.
You entered 'U' (unequal) for all selections under each element type including Classification Code, Air Program, Operating Status and Compliance Status. No data will be retrieved.

INVALID AIR QUALITY CONTROL REGION.
You have specified an invalid Air Quality Control Region (AQCR).

INVALID AIR QUALITY CONTROL REGION FOR STATE SPECIFIED.
You have specified an Air Quality Control Region (AQCR) which is invalid for the state specified.

INVALID CDS OR NEDS PLANT ID.
You have not used the proper format for the Plant ID field. A CDS plant identification number is four characters long. A NEDS plant identification number is five characters long.

INVALID CITY CODE FOR AQCR SPECIFIED.
You have specified an invalid City code for the Air Quality Control Region specified.

INVALID CITY FOR STATE SPECIFIED.
You have specified a City which is invalid for the State specified.

INVALID COUNTY CODE FOR AQCR SPECIFIED.
You have specified an invalid County code for the Air Quality Control Region specified.

INVALID COUNTY FOR STATE SPECIFIED.
You have specified a County code which is invalid for the State specified.

INVALID PLANT FOR STATE AND COUNTY SPECIFIED.
You have specified a Plant which is invalid for the State and County specified.

INVALID REGION CODE.
You have specified an invalid Region code.

INVALID START VALUE FOR PLANT NAME; SPECIAL CHAR NOT ALLOWED.
You have entered a value other than spaces or A through Z and/or 0 through 9.

INVALID STATE.
You have specified an invalid State code.

INVALID STATE FOR REGION SPECIFIED.
You have specified a State that is invalid for the Region specified.

MINIMUM VALUE MUST BE LESS THAN MAXIMUM.
You entered a minimum value that is greater than the maximum value specified for the range of plant names.

REGION REQUIRED IF NOT A NATIONAL REPORT.
Since the National field is 'N' (not a national report), the Region value must be supplied.

SPECIFY AT LEAST ONE LEVEL OF INFO.
You selected 'N' (no) for all levels of information.

STATE AND COUNTY REQUIRED IF PLANT IS SPECIFIED.
You specified a Plant code but have not specified both State and County codes.

STATE CODE REQUIRED IF CITY CODE IS SPECIFIED.

You have entered a City code but have not entered a State code.

STATE CODE REQUIRED IF COUNTY CODE IS SPECIFIED.
You have entered a County code but have not entered a State code.

VALUE MUST BE 'Y' OR 'N'.
You must enter either 'Y' for YES or 'N' for NO in the Optional Report Title field and in the National field.

5.3.4   Data Sorting Options

You may specify up to ten data fields on which to sort. They are:

- Region
- State
- AQCR
- County
- Plant ID
- Plant Name
- Classification Code
- Air Program Code
- Operating Status
- Compliance Status

The Sort Criteria Screen for this report is shown in Figure 5-14.

```
 DATE  :  09/28/92          AIRS FACILITY SUBSYSTEM              PGM:  AFP627
                              SORT CRITERIA                      MAP:  AFM6272
 ===============================================================================

 REPORT NAME:  AFS PLANT COMPLIANCE INVENTORY          CRITERIA NAME:

  1 REGION               5 PLANT ID              9 OPERATING STATUS

  2 STATE                6 PLANT NAME           10 COMPLIANCE STATUS

  3 AQCR                 7 CLASSIFICATION CODE

  4 COUNTY               8 AIR PROGRAM CODE


  ENTER THE NUMBERS OF THE SORT ELEMENTS ABOVE IN THE DESIRED SORT SEQUENCE:

      __    __    __    __    __    __    __    __    __    __


  PF3=END  PF4=MAIN MENU  PF5=TERMINATE  PF6=PAGE UP
```

Figure 5-14 Report 627 Sort Criteria Screen

Instructions

Choose the sort elements for your report and press <ENTER>.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the screen if you make a mistake in specifying information.

A SORTING DATA ELEMENT MAY BE USED ONLY ONCE.
>You cannot enter the same sort sequence number multiple times.

REQUESTED FUNCTION KEY NOT ALLOCATED.
>You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, PF5, and PF6.

SORTING VALUES MUST BE NUMERIC.
>You entered a non-numeric value.

VALUE MUST BE IN THE RANGE OF 1 TO 10.
>You entered a sort value outside the allowable range.

ZERO OR BLANK ENTRY NOT ALLOWED EXCEPT AT END.
>You entered a zero or blank value in an occurrence between occurrences with valid values.

5.3.5   Optional Report Title

This screen allows you to customize your report by providing a sub-title on each report. This title will appear directly under the primary report title. This optional title can be 50 characters in length. You will receive this screen if you answer "Y" (Yes) to the Optional Report Title query on the Select Criteria screen.

The Optional Report Title screen is shown in Figure 5-15.

```
  DATE  :  09/28/92        AIRS FACILITY SUBSYSTEM              PGM:  AFP627
                            OPTIONAL REPORT TITLE               MAP:  AFM0064
  =============================================================================

  REPORT NAME:  AFS PLANT COMPLIANCE INVENTORY            CRITERIA NAME:


  REPORT TITLE: _____







     PF3=END   PF4=MAIN MENU   PF5=TERMINATE   PF6=PAGE UP
```

Figure 5-15 Report 627 Optional Report Title Screen

Instructions

Type the text of your optional title and press <ENTER>. If you selected this screen by accident or changed your mind after you selected it, and don't want an optional title on your report, you may leave the field blank and press <ENTER>.

Error Messages

The error message listed below is displayed at the top of the data selection option screen if you make a mistake in specifying information.

REQUESTED FUNCTION KEY NOT ALLOCATED.
        You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, PF5, and PF6.

5.3.6   Workfile Description

One header (or leading record) is created for the file. This record displays the data that is created for the file data records. The following is a description of the data record.

FIRST BYTE	FIELD SIZE	FIELD TYPE	FIELD NAME	REMARKS (AFS ACRONYM)
1	85	A	Sort Area	Area used by program to sort file
86	2	A	Region Code	REGN
88	2	A	State Code	STTE
90	3	A	AQCR (Area Quality Control Region)	AQCR
93	3	A	County Code	CNTY
96	5	A	CDS Plant ID	PCDS
101	40	A	Plant Name	PNME
141	7	N	Plant ID	Internal ID for system processing

5.4   Report 632 - AFS Class Code Verification

5.4.1   Description

The AFS Class Code Verification report provides a comparison of a plant's class code to the various pollutant codes and their associated pollutant classifications and emissions for that plant. This report is a good management tool that can be used to ensure that all information in the database for a specific plant is logical and consistent between emission and compliance.

You may customize this report by:

> !   Generating the report to the screen, to the printer, or to a workfile, or any combination of the three.

> !   Specifying selection criteria for data fields.

> !   Specifying up to ten data fields on which to sort.

> !   Creating an optional report title.

A sample of the report is shown in Figure 5-16.

```
DATE  : 09/28/92                      AFS CLASS CODE VERIFICATION
   PGM: AFP632
====================================================================================================
                                           SIC  CLAS OPER COMP AIR POLLUTANT PLLT LOAD PLLT
EMISSIONS
RG ST AQCR CNTY PLANT NAME/ADDRESS         CODE CODE STAT STAT PGM / CASN  CLAS DER. CMST
   TONS/YR
---- -- ---- ---- -----                    ---- ---- ---- ---- --------    ---- ---- ----
04 37 165  111 00001 COATS AMERICAN (AMERICAN THREAD)   2281  A1   O    3    0 CO       B   A    3
POT CNTRL:                                                               630080
                     HIGHWAY 221 NORTH
POT UCTRL:
                     WOODLAWN
ACT UCTRL:
ESTIMATED: 19.00000

POT CNTRL:                                                               0 HC       B   A    3
POT UCTRL:
ACT UCTRL:
ESTIMATED:

POT CNTRL:                                                               0 NO2      B   A    3
POT UCTRL:                                                               10102440
ACT UCTRL:
ESTIMATED: 53.00000

POT CNTRL:                                                               0 PT       A1  A    3
POT UCTRL:
ACT UCTRL:
ESTIMATED:

POT CNTRL:                                                               0 PX       A1  P    9
```

Figure 5-16 AFS Class Code Verification Report

5.4.2   Output Selection Options

You may select the output destination of your report on the Report Destination screen as shown in Figure 5-17. The options are as follows:

     !   Generate a report to the screen. This option displays the report on the screen.

     !   Generate a printed report. This option generates the JCL to produce a printed report.

     !   Generate a workfile. This option generates a permanent workfile which can be printed and used at a later date.

```
 DATE  :  09/28/92          AIRS FACILITY SUBSYSTEM              PGM:  AFP010
                            REPORT DESTINATION                   MAP:  AFM0063
 ===============================================================================


 REPORT NAME: AFS CLASS CODE VERIFICATION              CRITERIA NAME:


                        ENTER X FOR DESIRED OPTION (S)

            CHOOSE AT LEAST ONE OUTPUT

            _ 1.  GENERATE A REPORT TO THE SCREEN
            _ 2.  GENERATE A PRINTED REPORT
            _ 3.  GENERATE A WORKFILE






  PF3=END  PF4=MAIN MENU  PF5=TERMINATE
```

Figure 5-17 Report 632 Report Destination Screen

Instructions

You must choose at least one type of output destination and you may select two or three options. The screen requires that an "X" be entered for the desired options. When selection has been made, press <ENTER>.

If you choose a workfile, you will be required to specify a dataset name for it on the Fixed Report JCL Parameters screen.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the selection output screen if you make a mistake in specifying information.

ENTER 'X' TO SELECT AN OUTPUT OPTION.
> You pressed the enter key without marking an option with an X or marked the option with a non-X character.

REQUESTED FUNCTION KEY NOT ALLOCATED.
> You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, and PF5.

5.4.3   Data Selection Options

You may define the subset of the data you wish to retrieve for the report by using the Select Criteria screen shown in Figure 5-18.

```
 DATE  :  09/30/92        AIRS FACILITY SUBSYSTEM              PGM:  AFP632
                             SELECT CRITERIA                   MAP:  AFM6321
 ============================================================================
 REPORT NAME:  AFS CLASS CODE VERIFICATION            CRITERIA NAME:
 ENTER OPTIONAL REPORT TITLE (Y/N):  _                EPA/STATE (E/S):   _

 NATIONAL (Y/N):    _    SIP PROGRAM: _____    STATUS AREA: _____
 REGION: __    STATE: __    AQCR: ___    COUNTY: ___    CITY: _____    PLANT: _____

 PLEASE SUPPLY VALUES OR MARK THE DESIRED SELECTION CRITERIA FIELD(S) WITH ONE
 OF THE FOLLOWING SELECTION CODES: (E,U) WHERE E=EQUAL, U=UNEQUAL.

  POLLUTANT   EMISSION TYPE   SIC CODE   CLASS CODE   OPERATING STATUS   COMPLIANCE
 _____       EST     _     ____       A1  _       O _   R _            IN  _
 _____       POT C   _     ____       A2  _       P _   D _            OUT _
 _____       POT UC  _     ____       UK  _       C _   T _        UNKNOWN _
 _____       ACT UC  _     ____       B   _       X _   S _        ON SCHED _
 _____                    RANGE       E1  _       I _
                             ____ - ____   E2  _



  PF3=END   PF4=MAIN MENU   PF5=TERMINATE
```
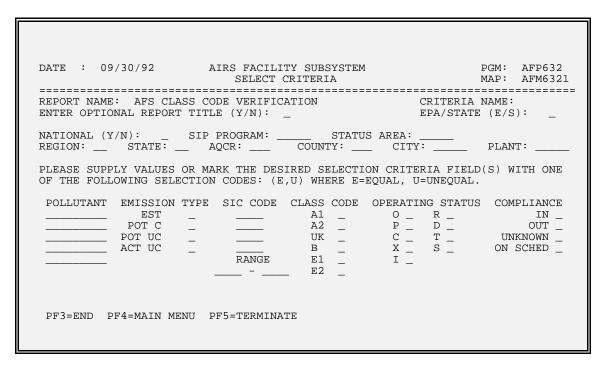
Figure 5-18 Report 632 Select Criteria Screen

There are three groups of selection criteria. The first group consist of the following mandatory fields.

!   Optional Report Title

        You must specify if you want an optional title ("Y") on your report. The optional title will appear as a subtitle under the primary report title. If you request the optional title, you will receive a screen to define the text of the title.

!   EPA/State

        You must define whether you want EPA data or State data to be selected for your report. This definition is needed for the "dual" data elements that appear on the selection screen, such as Classification Code. The file contains two Classification Codes, one is defined for EPA use and the other is defined for State use.

The second group of selection criteria consists of "geographic" criteria. You must specify if the report is to be a National report. If you choose "Y", you will retrieve data from the United States, its territories, and trust possessions. If you enter a "N" for National then you must specify further geographical information of Region State, AQCR, or Program/Status Area. You may also further define the geographical area by specifying a county, city, or plant.

The third set of selection criteria consists of the following fields.

! Pollutant

You may enter up to five pollutants to be included in your report. If no selection is made for this field, all data are included.

! Emission Type

You may select an emission type for your report. Valid values are E (Equal) and U (unequal). An "E" will include all data for the specified emission type and a "U" will exclude all data for the specified emission type. If no selection is made for this field, all data are included.

The Emission Types are:
Est   Estimated emissions
Pot C   Potential controlled emissions
Pot Unc   Potential uncontrolled emissions
Act Unc   Actual uncontrolled emissions

! SIC Code (Standard Industrial Code)

You may specify up to four values. If you do not specify any selection, all SIC codes will be included in the report.

! Range

You may enter a range of SIC Codes.

! Class Code

You may select one or more class codes. Valid values are E (Equal) and U (unequal). An "E" will include all data for the specified class code and a "U" will exclude all data for the specified class code. If you do not specify any selection, all Class codes will be included in the report.

The definitions of the Class Codes are:
A1   Major sources of pollution, over 100 tons per year.
A2   Major sources of pollution, less than 100 tons per year.
UK   Unknown level of pollution.
B   Sources of pollution which produce nearly 100 tons per year.
E1   Unregulated sources of pollution for Federal purposes; regulated for state purposes at over 100 tons per year.
E2   Unregulated sources of pollution for Federal purposes; regulated for state purposes at less 100 tons per year.

! Operating status

You may enter a selection for one or more of the operating statuses. Valid values are E (Equal) and U (unequal). An "E" will include all data for the specified operating status and a "U" will exclude all data for the specified operating status. If you do not specify any selection, all Operating Status codes will be included in the report.

The definition of the Operating status codes are:

O	Operating
P	Planned
C	Under construction
X	Permanently closed
I	Seasonal operation
R	NESHAP Renovation
D	NESHAP Demolition
T	Temporary closed
S	NESHAP Spraying

!   Compliance Status

You may enter a selection for one or more of the compliance statuses. Valid values are E (Equal) and U (unequal). An "E" will include all data for the specified compliance status and a "U" will exclude all data for the specified compliance status. If you do not specify any selection, all Compliance Status codes will be included in the report.

The definitions of Compliance Status codes are:

In	In compliance
Out	Not in compliance
Unknown	Status is unknown
On Sched	Plant is subject to meeting schedule of compliance and is meeting schedule deadlines.

Instructions

Enter selection criteria into the available fields on the screen, or alter the previously saved criteria displayed on the screen if you wish. Press <ENTER> when you have finished entering or altering the criteria.

Refer to the AFS Data Dictionary and the AIRS User's Guide Codes And Values for the valid values to use for selection criteria.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the data selection option screen if you make a mistake in specifying information.

DO NOT USE BOTH 'E' AND 'U' ON THE SAME ELEMENT.
       You cannot select 'E' (equal) for one selection and 'U' (unequal) for another selection under the same element type for either Classification Code, Air Program, Operating Status, or Compliance Status.

EPA STATE INDICATOR MUST BE 'E' OR 'S'.
       You entered no value or an invalid value for EPA/State field.

GEOGRAPHICAL SELECTION CRITERIA NOT ALLOWED FOR NATIONAL REPORT.
       You entered Region, State, AQCR, County, City or Plant for a National report.

IF ALL VALUES ARE TO BE SET TO 'E', LEAVE ALL BLANK.
       You entered 'E' (equal) for all selections under each element type including Classification Code, Air Program, Operating Status and Compliance Status. You can leave all of the entries blank if you want to extract data equal to all of the element values.

IF ALL VALUES ARE TO BE SET TO 'U', NO DATA WILL BE RETRIEVED.
       You entered 'U' (unequal) for all selections under each element type including Classification Code, Air Program, Operating Status and Compliance Status. No data will be retrieved.

INVALID CDS OR NEDS PLANT ID.
You have not used the proper format for the Plant ID field. A CDS plant identification number is four characters long. A NEDS plant identification number is five characters long.

PLEASE DO NOT ENTER BOTH PROGRAM/STATUS AREA AND AQCR.
You have entered a value for SIP Program/Status Area and AQCR.

PLEASE DO NOT ENTER BOTH PROGRAM/STATUS AREA AND REGION.
You have entered a value for SIP Program/Status Area and Region.

PLEASE ENTER A VALID PROGRAM/STATUS AREA.
You have entered an invalid value for SIP Program/Status Area.

PLEASE ENTER A VALID STATE AND PROGRAM/STATUS AREA.
You have entered an invalid value for State, SIP Program/Status Area.

PLEASE ENTER A VALID STATE, COUNTY AND PROGRAM/STATUS AREA.
You have entered an invalid value for State, County and/or SIP Program/Status Area.

PLEASE ENTER A VALID STATE, COUNTY, CITY AND PROGRAM/STATUS AREA.
You have entered an invalid value for State, County, City, and/or SIP Program/Status Area.

REGN, STTE, AQCR OR PGM/STATUS AREA REQ'D IF NOT A NATIONAL REPORT.
You have specified 'N' for a National retrieval and must include a Region, State, and/or Air Quality Control Region and/or a SIP Program/Status Area code in order to extract regional data.

STATE AND COUNTY REQUIRED IF PLANT IS SPECIFIED.
You specified a Plant code but have not specified both State and County codes.

STATE CODE REQUIRED IF CITY CODE IS SPECIFIED.
You have entered a City code but have not entered a State code.

STATE CODE REQUIRED IF COUNTY CODE IS SPECIFIED.
You have entered a County code but have not entered a State code.

VALUE MUST BE 'Y' OR 'N'.
You must enter either 'Y' for YES or 'N' for NO in the Optional Report Title field and in the National field.

5.4.4   Data Sorting Options

You may specify up to ten data fields on which to sort. They are:

!   Region
!   State
!   AQCR
!   County
!   Plant ID
!   Plant Name
!   SIC Code
!   Classification Code
!   Operating Status
!   Compliance Status

The Sort Criteria Screen for this report is shown in Figure 5-19.

```
DATE  :  09/28/92          AIRS FACILITY SUBSYSTEM              PGM:  AFP632
                              SORT CRITERIA                      MAP:  AFM6322
================================================================================

REPORT NAME:  AFS CLASS CODE VERIFICATION                CRITERIA NAME:


  1 REGION                 5 PLANT ID               9 OPERATING STATUS

  2 STATE                  6 PLANT NAME            10 COMPLIANCE STATUS

  3 AQCR                   7 SIC CODE

  4 COUNTY                 8 CLASSIFICATION CODE


ENTER THE NUMBERS OF THE SORT ELEMENTS ABOVE IN THE DESIRED SORT SEQUENCE:
             __    __    __    __    __    __    __    __    __    __



  PF3=END   PF4=MAIN MENU   PF5=TERMINATE   PF6=PAGE UP
```

Figure 5-19 Report 632 Sort Criteria Screen

Instructions

Choose the sort elements for your report and press <ENTER>.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the screen if you make a mistake in specifying information.

A SORTING DATA ELEMENT MAY BE USED ONLY ONCE.
        You cannot enter the same sort sequence number multiple times.

REQUESTED FUNCTION KEY NOT ALLOCATED.

You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, PF5, and PF6.

SORTING VALUES MUST BE NUMERIC.

You entered a non-numeric value.

VALUE MUST BE IN THE RANGE OF 1 TO 10.

You entered a sort value outside the allowable range.

ZERO OR BLANK ENTRY NOT ALLOWED EXCEPT AT END.

You entered a zero or blank value in an occurrence between occurrences with valid values.

5.4.5   Optional Report Title

This screen allows you to customize your report by providing a sub-title on each report. This title will appear directly under the primary report title. This optional title can be 50 characters in length. You will receive this screen if you answer "Y" (Yes) to the Optional Report Title query on the Select Criteria screen.

The Optional Report Title screen is shown in Figure 5-20.

```
DATE  :  09/28/92          AIRS FACILITY SUBSYSTEM                 PGM:  AFP632
                            OPTIONAL REPORT TITLE                   MAP:  AFM0064
===============================================================================
REPORT NAME:  AFS CLASS CODE VERIFICATION                CRITERIA NAME:


REPORT TITLE: _____










   PF3=END   PF4=MAIN MENU   PF5=TERMINATE   PF6=PAGE UP
```

Figure 5-20 Report 632 Optional Report Title Screen

Instructions

Type the text of your optional title and press <ENTER>. If you selected this screen by accident or changed your mind after you selected it, and don't want an optional title on your report, you may leave the field blank and press <ENTER>.

Error Messages

The error message listed below is displayed at the top of the data selection option screen if you make a mistake in specifying information.

REQUESTED FUNCTION KEY NOT ALLOCATED.
    You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, PF5, and PF6.

5.4.6   Workfile Description

One header (or leading record) is created for the file. This record displays the data that is created for the file.
The following is a description of the data record.

FIRST BYTE	FIELD SIZE	FIELD TYPE	FIELD NAME	REMARKS (AFS ACRONYM)
1	85	A	Sort Area	Area used by program to sort file
86	2	A	Region Code	REGN
88	2	A	State Code	STTE
90	3	A	AQCR (Area Quality Control Region)	AQCR
93	3	A	County Code	CNTY
96	30	A	County Name	CTNM
126	5	A	CDS Plant ID	PCDS
131	40	A	Plant Name	PNME
171	4	A	Standard Industrial Classification Code (SIC)	SIC1
175	2	A	Classification Code	ECL1[1] or SCL1[2]
177	1	A	Operating Status	OPST
178	1	A	Compliance Status	ECS1[1] or SCL1[2]
179	1	A	Air Program Code	APC1
180	5	A	Pollutant Code	PLAP
185	9	A	Chemical Abstract Service Number (CAS)	CAPP
194	2	A	Pollutant Classification Code	ECLP[1] or SCLP[2]
196	1	A	Loading Derivation Code	LOAD
197	1	A	Pollutant Compliance Status	ECAP[1] or SCAP[2]
198	8	A	Potential Uncontrolled Emissions	PCEV
206	30	A	Plant Street Address	STRT
236	8	A	Potential Controlled Emissions	PUEV
244	30	A	Plant City Name	CYNM
274	8	A	Actual Uncontrolled Emissions	AUEV
282	8	A	Estimated Emissions	ESTE

---

[1]   This is the EPA data element that appears if you chose "E" for the EPA/State indicator on the
       selection screen.

[2]   This is the State data element that appears if you chose "S" for the EPA/State indicator on the
       selection screen.

5.5   Report 633 - AFS Emissions By SIC Report

5.5.1   Description

The AFS Emissions By SIC report summarizes estimated, potential controlled, potential uncontrolled or actual uncontrolled emissions for up to five pollutants within a specific geographic region by SIC. User specified subtotals are supported on a national, regional, state, or county basis.

You may customize this report by:

!   Generating the report to the screen, to the printer, or to a workfile, or any combination of the three.

!   Specifying selection criteria for data fields.

!   Specifying the level of summarization.

!   Creating an optional report title.

A sample of the report is shown in Figure 5-21.

DATE : 09/28/92
PGM: AFP633

AFS EMISSIONS BY SIC REPORT

REGION	STATE	AQCR	COUNTY	EMISSION TYPE	SIC CODE	NO. OF PLANTS	VOC (TONS/YR)	(TONS/YR)	(TONS/YR)	(TONS/YR)	(TONS/YR)	(TONS/YR)
04	37	0	111	EST	1041	2	0	0	0	0	0	0
04	37	0	111	EST	1429	2	0	0	0	0	0	0
04	37	0	111	EST	1442	3	0	0	0	0	0	0
04	37	0	111	EST	2211	1	0	0	0	0	0	0
04	37	0	111	EST	2252	1	0	0	0	0	0	0
04	37	0	111	EST	2269	2	0	0	0	0	0	0
04	37	0	111	EST	2271	1	0	0	0	0	0	0
04	37	0	111	EST	2281	3	262	0	0	0	0	0
04	37	0	111	EST	2322	1	0	0	0	0	0	0
04	37	0	111	EST	2421	2	0	0	0	0	0	0
04	37	0	111	EST	2431	1	0	0	0	0	0	0
04	37	0	111	EST	2436	1	3	0	0	0	0	0
04	37	0	111	EST	2511	5	728	0	0	0	0	0
04	37		111	EST	2834	1	0	0	0	0	0	0

Figure 5-21 AFS Emissions By SIC Report

5.5.2   Output Selection Options

You may select the output destination of your report on the Report Destination screen as shown in Figure 5-22. The options are as follows:

!   Generate a report to the screen. This option displays the report on the screen.

!   Generate a printed report. This option generates the JCL to produce a printed report.

!   Generate a workfile. This option generates a permanent workfile which can be printed and used at a later date.

```
 DATE  :  09/28/92          AIRS FACILITY SUBSYSTEM               PGM:  AFP010
                              REPORT DESTINATION                  MAP:  AFM0063
 ==============================================================================


 REPORT NAME: AFS EMISSIONS BY SIC REPORT              CRITERIA NAME:


                        ENTER X FOR DESIRED OPTION (S)

           CHOOSE AT LEAST ONE OUTPUT

           _ 1.   GENERATE A REPORT TO THE SCREEN
           _ 2.   GENERATE A PRINTED REPORT
           _ 3.   GENERATE A WORKFILE






 PF3=END   PF4=MAIN MENU   PF5=TERMINATE
```

Figure 5-22 Report 633 Report Destination Screen

Instructions

You must choose at least one type of output destination and you may select two or three options. The screen requires that an "X" be entered for the desired options. When selection has been made, press <ENTER>.

If you choose a workfile, you will be required to specify a dataset name for it on the Fixed Report JCL Parameters screen.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the selection output screen if you make a mistake in specifying information.

ENTER 'X' TO SELECT AN OUTPUT OPTION.
> You pressed the enter key without marking an option with an X or marked the option with a non-X character.

REQUESTED FUNCTION KEY NOT ALLOCATED.
> You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, and PF5.

5.5.3   Data Selection Options

You may define the subset of the data you wish to retrieve for the report by using the Select Criteria screen shown in Figure 5-23.

```
 DATE  :  09/28/92          AIRS FACILITY SUBSYSTEM              PGM:  AFP633
                              SELECT CRITERIA                     MAP:  AFM6331
 ================================================================================
 REPORT NAME:  AFS EMISSIONS BY SIC REPORT              CRITERIA NAME:
 ENTER OPTIONAL REPORT TITLE (Y/N):  _             EPA/STATE (E/S):   _

 NATIONAL (Y/N):   _    SIP PROGRAM: _____    STATUS AREA:  _____
 REGION: __    STATE: __    AQCR: ___    COUNTY: ___    CITY: _____

 PLEASE SUPPLY VALUES OR MARK THE DESIRED SELECTION CRITERIA FIELD(S) WITH ONE
 OF THE FOLLOWING SELECTION CODES: (E,U) WHERE E=EQUAL, U=UNEQUAL.

               RANGE OF EMISSIONS     EMISSION    SIC    CLAS   OPER.    COMPLIANCE
  POLLUTANT     FROM       TO          TYPE       CODE   CODE   STATUS    STATUS
 _____ : _____ - _____        EST   _   ____   A1 _  O _ R _        IN _
 _____ : _____ - _____       POT C  _   ____   A2 _  P _ D _       OUT _
 _____ : _____ - _____       POT UC _   ____   UK _  C _ T _   UNKNOWN _
 _____ : _____ - _____       ACT UC _   ____   B  _  X _ S _   ON SCHED _
 _____ : _____ - _____                         E1 _  I _
                                                          E2 _
                                                RANGE
                                                ____ - ____
  PF3=END   PF4=MAIN MENU   PF5=TERMINATE
```
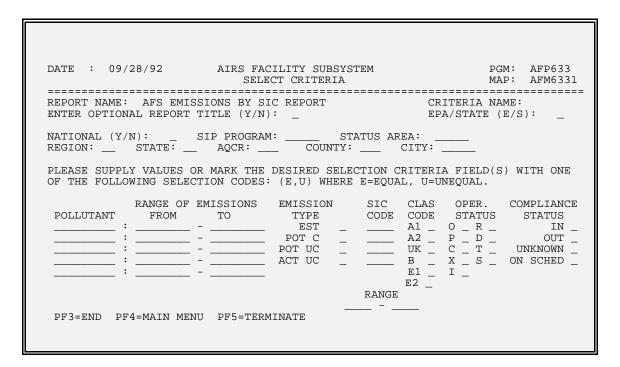
Figure 5-23 Report 633 Select Criteria Screen

There are three groups of selection criteria. The first group consist of the following mandatory fields.

!   Optional Report Title

         You must specify if you want an optional title ("Y") on your report. The optional title will appear as a subtitle under the primary report title. If you request the optional title, you will receive a screen to define the text of the title.

!   EPA/State

         You must define whether you want EPA data or State data to be selected for your report. This definition is needed for the "dual" data elements that appear on the selection screen, such as Classification Code. The file contains two Classification Codes, one is defined for EPA use and the other is defined for State use.

The second group of selection criteria consists of "geographic" criteria. You must specify if the report is to be a National report. If you choose "Y", you will retrieve data from the United States, its territories, and trust possessions. If you enter a "N" for National then you must specify further geographical information of Region State, AQCR, or Program/Status Area. You may also further define the geographical area by specifying a county and/or city.

The third set of selection criteria consists of the following fields.

! Pollutant

You must specify at least one pollutant, and as many as five pollutants, to be selected for your report.

! Range of Emission Levels

You may specify a range of emissions for the pollutant specified. If a beginning range is entered, an ending range is required. Valid values are 0.000 to 999999.999.

! Emission Type

You must enter a selection for one emission type for the pollutant(s) that you specified. Valid values are E (Equal) and U (unequal). An "E" will include all data for the specified emission type and a "U" will exclude all data for the specified emission type.

The Emission Types are:
Est   Estimated emissions
Pot C   Potential controlled emissions
Pot Unc   Potential uncontrolled emissions
Act Unc   Actual uncontrolled emissions

! SIC Code (Standard Industrial Code)

You may specify up to four values. If you do not specify any selection, all SIC codes will be included in the report.

! Range

You may enter a range of SIC Codes.

! Class Code

You may select one or more class codes. Valid values are E (Equal) and U (unequal). An "E" will include all data for the specified class code and a "U" will exclude all data for the specified class code. If you do not specify any selection, all Class codes will be included in the report.

The definitions of the Class Codes are:
A1   Major sources of pollution, over 100 tons per year.
A2   Major sources of pollution, less than 100 tons per year.
UK   Unknown level of pollution.
B   Sources of pollution which produce nearly 100 tons per year.
E1   Unregulated sources of pollution for Federal purposes; regulated for state
        purposes at over 100 tons per year.
E2   Unregulated sources of pollution for Federal purposes; regulated for state
        purposes at less 100 tons per year.

!   Operating status

           You may enter a selection for one or more of the operating statuses. Valid values are E (Equal) and U (unequal). An "E" will include all data for the specified operating status and a "U" will exclude all data for the specified operating status. If you do not specify any selection, all Operating Status codes will be included in the report.

           The definition of the Operating status codes are:

O	Operating
P	Planned
C	Under construction
X	Permanently closed
I	Seasonal operation
R	NESHAP Renovation
D	NESHAP Demolition
T	Temporary closed
S	NESHAP Spraying

!   Compliance Status

           You may enter a selection for one or more of the compliance statuses. Valid values are E (Equal) and U (unequal). An "E" will include all data for the specified compliance status and a "U" will exclude all data for the specified compliance status. If you do not specify any selection, all Compliance Status codes will be included in the report.

           The definitions of Compliance Status codes are:

In	In compliance
Out	Not in compliance
Unknown	Status is unknown
On Sched	Plant is subject to meeting schedule of compliance and is meeting schedule deadlines.

Instructions

Enter selection criteria into the available fields on the screen, or alter the previously saved criteria displayed on the screen if you wish. Press <ENTER> when you have finished entering or altering the criteria.

Refer to the AFS Data Dictionary and the AIRS User's Guide Codes And Values for the valid values to use for selection criteria.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the data selection option screen if you make a mistake in specifying information.

DO NOT USE BOTH 'E' AND 'U' ON THE SAME ELEMENT.
         You cannot select 'E' (equal) for one selection and 'U' (unequal) for another selection under the same element type for either Classification Code, Air Program, Operating Status, or Compliance Status.

ENTER A POLLUTANT CODE FOR THE POLLUTANT RANGE ENTERED.
         You have entered a Range of Emissions without specifying any pollutant(s) for that range.

ENTER A NUMERIC RANGE VALUE.
         You entered a value other than a numeric value for the Pollutant Range of Emissions and/or the SIC range.

ENTER AT LEAST ONE POLLUTANT CODE.
You have not specified a pollutant.

ENTER BOTH VALUES FOR A RANGE.
You entered one value for Pollutant Range of Emissions and/or the SIC Range of codes.

ENTER 'E' OR BLANK FOR EMISSIONS TYPE.
You entered a value other than 'E' or ' ' in the Emission Type fields.

EPA STATE INDICATOR MUST BE 'E' OR 'S'.
You entered no value or an invalid value for EPA/State field.

GEOGRAPHICAL SELECTION CRITERIA NOT ALLOWED FOR NATIONAL REPORT.
You entered Region, State, AQCR, County, City or Plant for a National report.

IF ALL VALUES ARE TO BE SET TO 'E', LEAVE ALL BLANK.
You entered 'E' (equal) for all selections under each element type including Classification Code, Air Program, Operating Status and Compliance Status. You can leave all of the entries blank if you want to extract data equal to all of the element values.

IF ALL VALUES ARE TO BE SET TO 'U', NO DATA WILL BE RETRIEVED.
You entered 'U' (unequal) for all selections under each element type including Classification Code, Air Program, Operating Status and Compliance Status. No data will be retrieved.

INVALID CDS OR NEDS PLANT ID.
You have not used the proper format for the Plant ID field. A CDS plant identification number is four characters long. A NEDS plant identification number is five characters long.

INVALID POLLUTANT.
You have specified an invalid pollutant.

INVALID PRIMARY INDUSTRIAL CLASSIFICATION CODE.
You have entered an invalid SIC Code.

MINIMUM VALUE MUST BE LESS THAN MAXIMUM.
You entered a minimum value that is greater than the maximum value specified for Pollutant Range of Emissions and/or the Range of SIC codes.

PLEASE DO NOT ENTER BOTH PROGRAM/STATUS AREA AND AQCR.
You have entered a value for SIP Program/Status Area and AQCR.

PLEASE DO NOT ENTER BOTH PROGRAM/STATUS AREA AND REGION.
You have entered a value for SIP Program/Status Area and Region.

PLEASE ENTER A VALID PROGRAM/STATUS AREA.
You have entered an invalid value for SIP Program/Status Area.

PLEASE ENTER A VALID STATE AND PROGRAM/STATUS AREA.
You have entered an invalid value for State, SIP Program/Status Area.

PLEASE ENTER A VALID STATE, COUNTY AND PROGRAM/STATUS AREA.
You have entered an invalid value for State, County and/or SIP Program/Status Area.

PLEASE ENTER A VALID STATE, COUNTY, CITY AND PROGRAM/STATUS AREA.
You have entered an invalid value for State, County, City, and/or SIP Program/Status Area.

REGN, STTE, AQCR OR PGM/STATUS AREA REQ'D IF NOT A NATIONAL REPORT.
You have specified 'N' for a National retrieval and must include a Region, State, and/or Air Quality Control Region and/or a SIP Program/Status Area code in order to extract regional data.

SELECT ONE EMISSIONS TYPE WITH 'E'.
You must specify at least one Emission Type by indicating 'E' (equal) in the fields provided.

STATE AND COUNTY REQUIRED IF PLANT IS SPECIFIED.
You specified a Plant code but have not specified both State and County codes.

STATE CODE REQUIRED IF CITY CODE IS SPECIFIED.
You have entered a City code but have not entered a State code.

STATE CODE REQUIRED IF COUNTY CODE IS SPECIFIED.
You have entered a County code but have not entered a State code.

VALUE MUST BE 'Y' OR 'N'.
You must enter either 'Y' for YES or 'N' for NO in the Optional Report Title field and in the National field.

5.5.4   Summary Level Options

You must specify a data level on which to summarize the data on your report. The levels are:

!   National
!   Region
!   State
!   AQCR
!   County

The Summary Level screen is shown in Figure 5-24.

```
DATE  :  09/28/92          AIRS FACILITY SUBSYSTEM               PGM:   AFP633
                              SUMMARY LEVEL                       MAP:   AFM6332
===============================================================================

REPORT NAME:  AFS EMISSIONS BY SIC REPORT              CRITERIA NAME:


  1 NATIONAL                    5 COUNTY

  2 REGION

  3 STATE

  4 AQCR


      ENTER THE NUMBER OF THE LEVEL OF SUMMARY DESIRED:
                             __



 PF3=END  PF4=MAIN MENU  PF5=TERMINATE  PF6=PAGE UP
```

Figure 5-24 Report 633 Summary Level Screen

Instructions

Choose a summary level for your report and press <ENTER>.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the data selection option
screen if you make a mistake in specifying information.

ENTER A VALUE FOR THE LEVEL OF SUMMARY.
          You did not select a Summary Level.

REQUESTED FUNCTION KEY NOT ALLOCATED.

You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, PF5, and PF6.

VALUE MUST BE IN THE RANGE OF 1 TO 5.

You selected an invalid Summary Level.

5.5.5   Optional Report Title

This screen allows you to customize your report by providing a sub-title on each report. This title will appear directly under the primary report title. This optional title can be 50 characters in length. You will receive this screen if you answer "Y" (Yes) to the Optional Report Title query on the Select Criteria screen.

The Optional Report Title screen is shown in Figure 5-25.

```
 DATE  :  09/28/92        AIRS FACILITY SUBSYSTEM            PGM:  AFP633
                          OPTIONAL REPORT TITLE              MAP:  AFM0064
 ===========================================================================
 REPORT NAME:  AFS EMISSIONS BY SIC REPORT          CRITERIA NAME:


 REPORT TITLE: _____




                                   
                                   
                                   


   PF3=END   PF4=MAIN MENU   PF5=TERMINATE   PF6=PAGE UP
```

Figure 5-25 Report 633 Optional Report Title Screen

Instructions

Type the text of your optional title and press <ENTER>. If you selected this screen by accident or changed your mind after you selected it, and don't want an optional title on your report, you may leave the field blank and press <ENTER>.

Error Messages

The error message listed below is displayed at the top of the data selection option screen if you make a mistake in specifying information.

REQUESTED FUNCTION KEY NOT ALLOCATED.
        You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, PF5, and PF6.

5.5.6   Workfile Description

One header (or leading record) is created for the file. This record displays the data that is created for the file. The following is a description of the data record.

FIRST BYTE	FIELD SIZE	FIELD TYPE	FIELD NAME	REMARKS (AFS ACRONYM)
1	7	A	Sort Area[1]	Area used by program to sort file
8	4	A	Standard Industrial Classification Code (SIC)	SIC1
12	6	N	Plant Count	
18	10	N	Emissions Value 1	EES1[2];EPC1[3];EPU1[4];EAU1[5]
28	10	N	Emissions Value 2	EES1[2];EPC1[3];EPU1[4];EAU1[5]
38	10	N	Emissions Value 3	EES1[2];EPC1[3];EPU1[4];EAU1[5]
48	10	N	Emissions Value 4	EES1[2];EPC1[3];EPU1[4];EAU1[5]
58	10	N	Emissions Value 5	EES1[2];EPC1[3];EPU1[4];EAU1[5]
68	8	A	Emission Type	From input selection screen
76	5	A	Pollutant Name 1	PLL1
81	5	A	Pollutant Name 2	PLL1
86	5	A	Pollutant Name 3	PLL1
91	5	A	Pollutant Name 4	PLL1
96	5	A	Pollutant Name 5	PLL1
101	9	A	Chemical Abstract Service Number 1	CAS1
110	9	A	Chemical Abstract Service Number 2	CAS1
119	9	A	Chemical Abstract Service Number 3	CAS1
128	9	A	Chemical Abstract Service Number 4	CAS1
137	9	A	Chemical Abstract Service Number 5	CAS1

[1]   This is the area that the program uses for sorting. The level that you selected for sorting on the Summary Level screen will determine the fields that are in the Sort Area. The four variations are:

    A)   REGN (A2)
    B)   REGN (A2); STTE (A2)
    C)   REGN (A2); STTE (A2); CNTY (A3)
    D)   AQCR (A3)

[2]   This is the emissions value data element that appears if you chose "EST" for Emission Type on the selection screen.

[3]   This is the emissions value data element that appears if you chose "POT C" for Emission Type on the selection screen.

[4]   This is the emissions value data element that appears if you chose "POT UC" for Emission Type on the selection screen.

[5]   This is the emissions value data element that appears if you chose "ACT UC" for Emission Type on the selection screen.

5.6   Report 634 - AFS Emission Ranking/Pollutant

5.6.1   Description

The AFS Emissions Ranking/Pollutant report provides a total for estimated, potential controlled, potential uncontrolled or actual uncontrolled emissions for a particular pollutant. It assigns a rank to each plant and displays the number selected with the highest emission, #1 being the highest. You can select a minimum value of total emissions, a year of emissions inventory, and SIC's for this report.

You may customize this report by:

> !   Generating the report to the printer, to a workfile, or to both.

> !   Specifying selection criteria for data fields.

> !   Specifying the level of summarization.

> !   Creating an optional report title.

A sample of the report is shown in Figure 5-26.

```
DATE    09/28/92
PROGRAM:  AFP634
PAGE: 2

              EMISSION RANKING FOR A POLLUTANT: VOC   /

TOTAL EMISSIONS:  1044 (TONS/YEAR)   YEAR OF EMIS INV:  N/A
TOTAL PLANT

EST EMISSIONS
```

EST EMISSIONS TONS/YEAR	RANK	% OF REGION TOTAL	CUM % STATE TOTAL	AQCR	COUNTY	PLANT	PLANT NAME/ADDRESS	UTMH	UTMV	YEAR OF EMISSIONS
414	1	39.6	39.6	165	111	0031 / 00031	DREXEL PLANT 2 MARION / 361 BLUE RIDGE STREET / MARION	407.8	3949.7	88
314	2	30.0	69.7	165	111	0036 / 00036	ETHAN ALLEN – PINE VALLEY DIV / HWY 70 / NOT IN A CITY	393.9	3944.2	88
260	3	24.9	94.6	165	111	0001 / 00001	COATS AMERICAN (AMERICAN THREAD) / HIGHWAY 221 NORTH / WOODLAWN	407.2	3960.8	88
51	4	4.8	99.5	165	111	0164	POWER SOURCES INC / NO STREET ADDRESS / MARION	410.0	3965.7	88
3	5	0.2	99.8	165	111	0162 / 00162	COLUMBIA CAROLINA CORP / GREENLEE RD / OLD FORT	399.7	3947.5	87
2	6	0.1	100.0	165	111	0027 / 00027	CROSS MILLS INC / CARSON STREET / MARIAN	407.5	3948.4	88

Figure 5-26 AFS Emission Ranking/Pollutant

5.6.2   Output Selection Options

You may select the output destination of your report on the Report Destination screen as shown in Figure 5-27. The options are as follows:

> !   Generate a printed report. This option generates the JCL to produce a printed report.

> !   Generate a workfile. This option generates a permanent workfile which can be printed and used at a later date.

```
DATE  :  09/28/92          AIRS FACILITY SUBSYSTEM            PGM:  AFP010
                            REPORT DESTINATION                MAP:  AFM0067
================================================================================


REPORT NAME: AFS EMISSION RANKING/POLLUTANT         CRITERIA NAME:


                       ENTER X FOR DESIRED OPTION(S)


               CHOOSE AT LEAST ONE OUTPUT

             _  1.   GENERATE A PRINTED REPORT
             _  2.   GENERATE A WORKFILE




 PF3=END  PF4=MAIN MENU  PF5=TERMINATE
```

Figure 5-27 Report 634 Report Destination Screen

Instructions

You must choose at least one type of output destination and you may select two or three options. The screen requires that an "X" be entered for the desired options. When selection has been made, press <ENTER>.

If you choose a workfile, you will be required to specify a dataset name for it on the Fixed Report JCL Parameters screen.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the selection output screen if you make a mistake in specifying information.

ENTER 'X' TO SELECT AN OUTPUT OPTION.
>   You pressed the enter key without marking an option with an X or marked the option with a non-X character.

REQUESTED FUNCTION KEY NOT ALLOCATED.
>   You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, and PF5.

5.6.3   Data Selection Options

You may define the subset of the data you wish to retrieve for the report by using the Select Criteria screen shown in Figure 5-28.

```
DATE  :  09/28/92        AIRS FACILITY SUBSYSTEM              PGM:  AFP634
                           SELECT CRITERIA                     MAP:  AFM6341
==============================================================================
REPORT NAME:  AFS EMISSION RANKING/POLLUTANT          CRITERIA NAME:
ENTER OPTIONAL REPORT TITLE (Y/N):  _                 EPA/STATE (E/S):   _

NATIONAL (Y/N):   _  SIP PROGAM: _____  STATUS AREA: _____
REGION: __  STATE: __  AQCR: ___  COUNTY: ___  CITY: _____

PLEASE SUPPLY VALUES OR MARK THE DESIRED SELECTION CRITERIA FIELD(S) WITH ONE
OF THE FOLLOWING SELECTION CODES:  (E,U) WHERE E=EQUAL, U=UNEQUAL.

POLLUTANT:  _____   MINIMUM EMISSIONS:  _____  (TONS/YR)

EMISSION TYPE     RANKING    SIC CODE    CLASS CODE    OPER. STATUS    COMPLIANCE
    EST     _      LIMIT      ____          A1 _        O  _   R  _           IN  _
    POT C   _     _____      ____          A2 _        P  _   D  _          OUT  _
    POT UC  _                 ____          UK _        C  _   T  _      UNKNOWN  _
    ACT UC  _     YEAR OF     ____          B  _        X  _   S  _     ON SCHED  _
                  EMIS INV  ____ - ____     E1 _        I  _
                     __                     E2 _

  PF3=END   PF4=MAIN MENU   PF5=TERMINATE
```
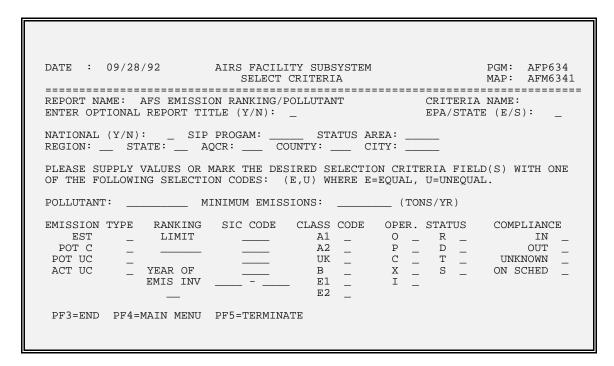
Figure 5-28 Report 634 Select Criteria Screen

There are three groups of selection criteria. The first group consist of the following mandatory fields.

!   Optional Report Title

         You must specify if you want an optional title ("Y") on your report. The optional title will appear as a subtitle under the primary report title. If you request the optional title, you will receive a screen to define the text of the title.

!   EPA/State

         You must define whether you want EPA data or State data to be selected for your report. This definition is needed for the "dual" data elements that appear on the selection screen, such as Classification Code. The file contains two Classification Codes, one is defined for EPA use and the other is defined for State use.

The second group of selection criteria consists of "geographic" criteria. You must specify if the report is to be a National report. If you choose "Y", you will retrieve data from the United States, its territories, and trust possessions. If you enter a "N" for National then you must specify further geographical information of Region State, AQCR, or Program/Status Area. You may also further define the geographical area by specifying a county and/or city.

The third set of selection criteria consists of the following fields.

!   Pollutant

This is a required field. Enter a pollutant code for the report.

!   Minimum Emissions

You may specify a minimum value of the emissions for the pollutant that you selected.

!   Emission Type

This is a mandatory field. Enter a selection for one emission type. Valid values are E (Equal) and U (unequal). An "E" will include all data for the specified emission type and a "U" will exclude all data for the specified emission type.

The Emission Types are:
Est	Estimated emissions
Pot C	Potential controlled emissions
Pot Unc	Potential uncontrolled emissions
Act Unc	Actual uncontrolled emissions

!   Ranking Limit

You may limit the number of plants that are reported.

!   Year of Emissions

You may enter a year for which to report plants emissions inventory.

!   SIC Code (Standard Industrial Code)

You may specify up to four values. If you do not specify any selection, all SIC codes will be included in the report.

!   Range

You may enter a range of SIC Codes.

!   Class Code

You may select one or more class codes. Valid values are E (Equal) and U (unequal). An "E" will include all data for the specified class code and a "U" will exclude all data for the specified class code. If you do not specify any selection, all Class codes will be included in the report.

The definitions of the Class Codes are:

A1	Major sources of pollution, over 100 tons per year.
A2	Major sources of pollution, less than 100 tons per year.
UK	Unknown level of pollution.
B	Sources of pollution which produce nearly 100 tons per year.
E1	Unregulated sources of pollution for Federal purposes; regulated for state purposes at over 100 tons per year.
E2	Unregulated sources of pollution for Federal purposes; regulated for state purposes at less 100 tons per year.

! Operating status

You may enter a selection for one or more of the operating statuses. Valid values are E (Equal) and U (unequal). An "E" will include all data for the specified operating status and a "U" will exclude all data for the specified operating status. If you do not specify any selection, all Operating Status codes will be included in the report.

The definition of the Operating status codes are:

O	Operating
P	Planned
C	Under construction
X	Permanently closed
I	Seasonal operation
R	NESHAP Renovation
D	NESHAP Demolition
T	Temporary closed
S	NESHAP Spraying

! Compliance Status

You may enter a selection for one or more of the compliance statuses. Valid values are E (Equal) and U (unequal). An "E" will include all data for the specified compliance status and a "U" will exclude all data for the specified compliance status. If you do not specify any selection, all Compliance Status codes will be included in the report.

The definitions of Compliance Status codes are:

In	In compliance
Out	Not in compliance
Unknown	Status is unknown
On Sched	Plant is subject to meeting schedule of compliance and is meeting schedule deadlines.

Instructions

Enter selection criteria into the available fields on the screen, or alter the previously saved criteria displayed on the screen if you wish. Press <ENTER> when you have finished entering or altering the criteria.

Refer to the AFS Data Dictionary and the AIRS User's Guide Codes And Values for the valid values to use for selection criteria.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the data selection option screen if you make a mistake in specifying information.

DO NOT USE BOTH 'E' AND 'U' ON THE SAME ELEMENT.
> You cannot select 'E' (equal) for one selection and 'U' (unequal) for another selection under the same element type for either Classification Code, Air Program, Operating Status, or Compliance Status.

ENTER A NUMERIC RANGE VALUE.
> You entered a value other than a numeric value for the Pollutant Range of Emissions and/or the SIC range.

ENTER AT LEAST ONE POLLUTANT CODE.
> You have not specified a pollutant.

ENTER BOTH VALUES FOR A RANGE.
> You entered one value for Pollutant Range of Emissions and/or the SIC Range of codes.

ENTER 'E' OR BLANK FOR EMISSIONS TYPE.
> You entered a value other than 'E' or ' ' in the Emission Type fields.

ENTER ONE POLLUTANT CODE OR CAS NUMBER.
> You must specify a pollutant in order to report on emission ranking.

EPA STATE INDICATOR MUST BE 'E' OR 'S'.
> You entered no value or an invalid value for EPA/State field.

GEOGRAPHICAL SELECTION CRITERIA NOT ALLOWED FOR NATIONAL REPORT.
> You entered Region, State, AQCR, County, or City for a National report.

IF ALL VALUES ARE TO BE SET TO 'E', LEAVE ALL BLANK.
> You entered 'E' (equal) for all selections under each element type including Classification Code, Air Program, Operating Status and Compliance Status. You can leave all of the entries blank if you want to extract data equal to all of the element values.

IF ALL VALUES ARE TO BE SET TO 'U', NO DATA WILL BE RETRIEVED.
> You entered 'U' (unequal) for all selections under each element type including Classification Code, Air Program, Operating Status and Compliance Status. No data will be retrieved.

INVALID POLLUTANT.
> You have specified an invalid pollutant.

INVALID PRIMARY INDUSTRIAL CLASSIFICATION CODE.
> You have entered an invalid SIC Code.

INVALID RANKING LIMIT.
> You have not specified a Ranking Limit number greater than zero.

INVALID YEAR OF EMISSIONS INVENTORY.
> You have specified an invalid Year of Emissions Inventory.

MINIMUM VALUE MUST BE LESS THAN MAXIMUM.
> You entered a minimum value that is greater than the maximum value specified for Pollutant Range of Emissions and/or the Range of SIC codes.

PLEASE DO NOT ENTER BOTH PROGRAM/STATUS AREA AND AQCR.
> You have entered a value for SIP Program/Status Area and AQCR.

PLEASE DO NOT ENTER BOTH PROGRAM/STATUS AREA AND REGION.
You have entered a value for SIP Program/Status Area and Region.

PLEASE ENTER A VALID PROGRAM/STATUS AREA.
You have entered an invalid value for SIP Program/Status Area.

PLEASE ENTER A VALID STATE AND PROGRAM/STATUS AREA.
You have entered an invalid value for State, SIP Program/Status Area.

PLEASE ENTER A VALID STATE, COUNTY AND PROGRAM/STATUS AREA.
You have entered an invalid value for State, County and/or SIP Program/Status Area.

PLEASE ENTER A VALID STATE, COUNTY, CITY AND PROGRAM/STATUS AREA.
You have entered an invalid value for State, County, City, and/or SIP Program/Status Area.

REGN, STTE, AQCR OR PGM/STATUS AREA REQ'D IF NOT A NATIONAL REPORT.
You have specified 'N' for a National retrieval and must include a Region, State, and/or Air Quality Control Region and/or a SIP Program/Status Area code in order to extract regional data.
SELECT ONE EMISSIONS TYPE WITH 'E'.
You must specify at least one Emission Type by indicating 'E' (equal) in the fields provided.

STATE CODE REQUIRED IF CITY CODE IS SPECIFIED.
You have entered a City code but have not entered a State code.

STATE CODE REQUIRED IF COUNTY CODE IS SPECIFIED.
You have entered a County code but have not entered a State code.

VALUE MUST BE 'Y' OR 'N'.
You must enter either 'Y' for YES or 'N' for NO in the Optional Report Title field and in the National field.

5.6.4   Summary Level Options

You must specify a data level on which to summarize the data on your report. The levels are:

- National
- Region
- State
- AQCR
- County
- SIC Code
- Year of Emissions

The Summary Level screen is shown in Figure 5-29.

```
DATE  :  09/28/92         AIRS FACILITY SUBSYSTEM              PGM:  AFP634
                           SUMMARY CRITERIA                    MAP:  AFM6342
================================================================================

REPORT NAME:  AFS EMISSION RANKING/POLLUTANT          CRITERIA NAME:


        1   NATIONAL                        5   COUNTY

        2   REGION

        3   STATE

        4   AQCR


         ENTER THE NUMBER OF THE LEVEL OF SUMMARY DESIRED:



 PF3=END  PF4=MAIN MENU  PF5=TERMINATE  PF6=PAGE UP
```

Figure 5-29 Report 634 Summary Level Screen

Instructions

Choose a summary level for your report and press <ENTER>.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the data selection option screen if you make a mistake in specifying information.

ENTER A VALUE FOR THE LEVEL OF SUMMARY.
        You did not select a Summary Level.

REQUESTED FUNCTION KEY NOT ALLOCATED.
        You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom
        of the screen and are PF3, PF4, PF5, and PF6.

VALUE MUST BE IN THE RANGE OF 1 TO 5.

You selected an invalid Summary Level.

5.6.5   Optional Report Title

This screen allows you to customize your report by providing a sub-title on each report. This title will appear directly under the primary report title. This optional title can be 50 characters in length. You will receive this screen if you answer "Y" (Yes) to the Optional Report Title query on the Select Criteria screen.

The Optional Report Title screen is shown in Figure 5-30.

```
DATE  :  09/28/92        AIRS FACILITY SUBSYSTEM              PGM:  AFP634
                          OPTIONAL REPORT TITLE               MAP:  AFM0064
================================================================================
REPORT NAME:  AFS EMISSION RANKING/POLLUTANT          CRITERIA NAME:


REPORT TITLE: _____








    PF3=END   PF4=MAIN MENU   PF5=TERMINATE   PF6=PAGE UP
```

Figure 5-30 Report 634 Optional Report Title Screen

Instructions

Type the text of your optional title and press <ENTER>. If you selected this screen by accident or changed your mind after you selected it, and don't want an optional title on your report, you may leave the field blank and press <ENTER>.

Error Messages

The error message listed below is displayed at the top of the data selection option screen if you make a mistake in specifying information.

REQUESTED FUNCTION KEY NOT ALLOCATED.
        You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, PF5, and PF6.

5.6.6   Workfile Description

One header (or leading record) is created for the file. This record displays the data that is created for the file. The following is a description of the data record.

FIRST BYTE	FIELD SIZE	FIELD TYPE	FIELD NAME	REMARKS (AFS ACRONYM)
1	34	A	Sort Area	Area used by program to sort file
35	8.7	N	Emissions Value	EES1[1];EPC1[2];EPU1[3];EAU1[4]
50	2	A	Region Code	REGN
52	2	A	State Code	STTE
54	3	A	AQCR (Area Quality Control Region)	AQCR
57	3	A	County Code	CNTY
60	5	A	CDS Plant ID	PCDS
65	4	A	NEDS Plant ID	PNED
69	40	A	Plant Name	PNME
109	30	A	Plant Street Address	STRT
139	30	A	Plant City Name	CYNM
169	3.1	N	UTM Horizontal Coordinates	UTH1
173	4.1	N	UTM Vertical Coordinates	UTV1
178	2	A	Year of Emissions Inventory	YINV
180	4	A	Year of Archive	YINV on Archive File
184	5	A	Pollutant Code	PLL1
189	9	A	Chemical Abstract Service Number (CAS)	CAS1
198	8	A	Emission Type	From screen selections
206	6	N	Ranking Limit	From screen selections
212	2	A	Level of Summary	From screen selections

---

[1]   This is the emissions value data element that appears if you chose "EST" for Emission Type on the selection screen.

[2]   This is the emissions value data element that appears if you chose "POT C" for Emission Type on the selection screen.

[3]   This is the emissions value data element that appears if you chose "POT UC" for Emission Type on the selection screen.

[4]   This is the emissions value data element that appears if you chose "ACT UC" for Emission Type on the selection screen.

5.7   Report 643 - AFS Distribution of Emissions

5.7.1   Description

The AFS Distribution of Emissions report provides an individual and total count of the number of plants and points with specified emission range criteria within a geographic region. It lists up to eight ranges of emission levels in tons per year. For each emission level range, the number of plants, the number of points, and the estimated emissions in tons per year are shown. Report totals are given for number of plants, number of points, and estimated emissions.

You may customize this report by:

> !   Generating the report to the screen, to the printer, or to a workfile, or any combination of the three.

> !   Specifying selection criteria for data fields.

> !   Specifying the level of summarization.

> !   Creating an optional report title.

A sample of the report is shown in Figure 5-31.

```
DATE  : 10/01/92                            AFS DISTRIBUTION OF EMISSIONS
PGM: AFP643
=============================================================================================================
RG ST AQCR CNTY SIC YINV PLLT/CASN    EMISSION LEVELS (TONS/YR)   NUMBER OF PLANTS   NUMBER OF POINTS    EST
EMISSIONS (TONS/YR)
-- -- ---- ---- --- ---- ---------    -------------------------   ----------------   ----------------
04 37                    VOC  /       0  -  99999999                     420               4329
899250                                                                     0                  0
     0                                                     -                0                  0
     0                                                     -                0                  0
     0                                                     -                0                  0
     0                                                     -                0                  0
     0                                                     -                0                  0
     0                                                     -                0                  0
     0                                                     -                0                  0
                                                TOTALS:                    420               4329
899250
```

Figure 5-31 AFS Distribution of Emissions Report

5.7.2   Output Selection Options

You may select the output destination of your report on the Report Destination screen as shown in Figure 5-32. The options are as follows:

> !   Generate a report to the screen. This option displays the report on the screen.
>
> !   Generate a printed report. This option generates the JCL to produce a printed report.
>
> !   Generate a workfile. This option generates a permanent workfile which can be printed and used at a later date.

```
 DATE  :  09/14/92          AIRS FACILITY SUBSYSTEM              PGM:  AFP010
                              REPORT DESTINATION                 MAP:  AFM0063
 ===============================================================================


 REPORT NAME: AFS DISTRIBUTION OF EMISSIONS            CRITERIA NAME:


                        ENTER X FOR DESIRED OPTION (S)

           CHOOSE AT LEAST ONE OUTPUT

           _ 1.   GENERATE A REPORT TO THE SCREEN
           _ 2.   GENERATE A PRINTED REPORT
           _ 3.   GENERATE A WORKFILE




   PF3=END   PF4=MAIN MENU   PF5=TERMINATE
```

Figure 5-32 Report 643 Report Destination Screen

Instructions

You must choose at least one type of output destination and you may select two or three options. The screen requires that an "X" be entered for the desired options. When selection has been made, press <ENTER>.

If you choose a workfile, you will be required to specify a dataset name for it on the Fixed Report JCL Parameters screen.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the selection output screen if you make a mistake in specifying information.

ENTER 'X' TO SELECT AN OUTPUT OPTION.
>   You pressed the enter key without marking an option with an X or marked the option with a non-X character.

REQUESTED FUNCTION KEY NOT ALLOCATED.
>   You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, and PF5.

5.7.3   Data Selection Options

You may define the subset of the data you wish to retrieve for the report by using the Select Criteria screen shown in Figure 5-33.

```
 DATE  :  09/14/92        AIRS FACILITY SUBSYSTEM              PGM:  AFP643
                             SELECT CRITERIA                   MAP:  AFM6431
 ================================================================================
 REPORT NAME:  AFS DISTRIBUTION OF EMISSIONS            CRITERIA NAME:
 ENTER OPTIONAL REPORT TITLE (Y/N):  _               EPA/STATE (E/S):   _

 NATIONAL (Y/N):   _    SIP PROGRAM: _____    STATUS AREA: _____
 REGION: __   STATE: __   AQCR: ___    COUNTY: ___    CITY: _____

 PLEASE SUPPLY VALUES OR MARK THE DESIRED SELECTION CRITERIA FIELD(S) WITH ONE
 OF THE FOLLOWING SELECTION CODES: (E,U) WHERE E=EQUAL, U=UNEQUAL.
                                              SIC    CLAS   OPER.    COMPLIANCE
   POLLUTANT     RANGE OF EMISSION LEVELS     CODE   CODE   STATUS     STATUS
   _____    1 _____ TO _____      _____  A1 _   O _ R _        IN _
   EMISSION     2 _____ TO _____      _____  A2 _   P _ D _       OUT _
     TYPE       3 _____ TO _____      _____  UK _   C _ T _   UNKNOWN _
      EST _     4 _____ TO _____      _____  B  _   X _ S _   ON SCHED _
     POT C _    5 _____ TO _____      RANGE  E1 _   I _
    POT UNC _   6 _____ TO _____     _____ - ____   E2 _
    ACT UNC _   7 _____ TO _____
                8 _____ TO _____


   PF3=END  PF4=MAIN MENU  PF5=TERMINATE
```
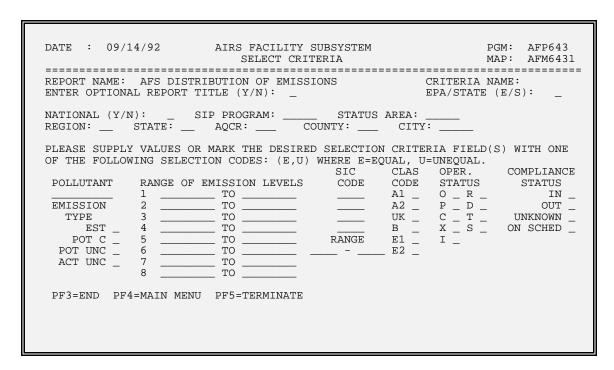
Figure 5-33 Report 643 Select Criteria Screen

There are three groups of selection criteria. The first group consist of the following mandatory fields.

> !   Optional Report Title
>
> You must specify if you want an optional title ("Y") on your report. The optional title will appear as a subtitle under the primary report title. If you request the optional title, you will receive a screen to define the text of the title.

> !   EPA/State
>
> You must define whether you want EPA data or State data to be selected for your report. This definition is needed for the "dual" data elements that appear on the selection screen, such as Classification Code. The file contains two Classification Codes, one is defined for EPA use and the other is defined for State use.

The second group of selection criteria consists of "geographic" criteria. You must specify if the report is to be a National report. If you choose "Y", you will retrieve data from the United States, its territories, and trust possessions. If you enter a "N" for National then you must specify further geographical information of Region State, AQCR, or Program/Status Area. You may also further define the geographical area by specifying a county and/or city.

The third set of selection criteria consists of the following fields.

!　　Pollutant

This is a required field. Common values are VOC, CO, NO2, SO2, and PT.

!　　Range of Emission Levels

This is a required field. Specify at least one range of emissions for the pollutant specified. If a beginning range is entered, an ending range is required. Valid values are 0.000 to 999999.999.

!　　Emission Type

This is a mandatory field. Enter a selection for one emission type. Valid values are E (Equal) and U (unequal). An "E" will include all data for the specified emission type and a "U" will exclude all data for the specified emission type.

The Emission Types are:
Est	Estimated emissions
Pot C	Potential controlled emissions
Pot Unc	Potential uncontrolled emissions
Act Unc	Actual uncontrolled emissions

!　　SIC Code (Standard Industrial Code)

You may specify up to four values. If you do not specify any selection, all SIC codes will be included in the report.

!　　Range

You may enter a range of SIC Codes.

!　　Class Code

You may select one or more class codes. Valid values are E (Equal) and U (unequal). An "E" will include all data for the specified class code and a "U" will exclude all data for the specified class code. If you do not specify any selection, all Class codes will be included in the report.

The definitions of the Class Codes are:
A1	Major sources of pollution, over 100 tons per year.
A2	Major sources of pollution, less than 100 tons per year.
UK	Unknown level of pollution.
B	Sources of pollution which produce nearly 100 tons per year.
E1	Unregulated sources of pollution for Federal purposes; regulated for state purposes at over 100 tons per year.
E2	Unregulated sources of pollution for Federal purposes; regulated for state purposes at less 100 tons per year.

! Operating status

You may enter a selection for one or more of the operating statuses. Valid values are E (Equal) and U (unequal). An "E" will include all data for the specified operating status and a "U" will exclude all data for the specified operating status. If you do not specify any selection, all Operating Status codes will be included in the report.

The definition of the Operating status codes are:
O   Operating
P   Planned
C   Under construction
X   Permanently closed
I   Seasonal operation
R   NESHAP Renovation
D   NESHAP Demolition
T   Temporary closed
S   NESHAP Spraying

! Compliance Status

You may enter a selection for one or more of the compliance statuses. Valid values are E (Equal) and U (unequal). An "E" will include all data for the specified compliance status and a "U" will exclude all data for the specified compliance status. If you do not specify any selection, all Compliance Status codes will be included in the report.

The definitions of Compliance Status codes are:
In   In compliance
Out   Not in compliance
Unknown   Status is unknown
On Sched   Plant is subject to meeting schedule of compliance and is meeting schedule deadlines.

Instructions

Enter selection criteria into the available fields on the screen, or alter the previously saved criteria displayed on the screen if you wish. Press <ENTER> when you have finished entering or altering the criteria.

Refer to the AFS Data Dictionary and the AIRS User's Guide Codes And Values for the valid values to use for selection criteria.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the data selection option screen if you make a mistake in specifying information.

CONDITION MUST BE 'E', 'U', OR BLANK.
You entered an invalid value for Class Code selection condition, Operating Status selection condition, or Compliance Status selection condition.

DO NOT USE BOTH 'E' AND 'U' ON THE SAME ELEMENT.
You selected "E" (equal) for one selection and "U" (unequal) for another selection in the elements of Class Code, Operating Status, or Compliance Status.

ENTER A NUMERIC RANGE VALUE.
The values you entered for the SIC Ranges or Range of Emissions are not numeric.

ENTER AT LEAST ONE RANGE OF EMISSIONS.
You did not specify a range of emissions for the pollutant code you entered.

ENTER BOTH VALUES FOR A RANGE.
You entered one value for the Range of Emissions or the SIC Code Range.

ENTER 'E' OR BLANK FOR EMISSIONS TYPE.
You entered an invalid value for the Emissions Type selection.

EPA STATE INDICATOR MUST BE 'E' OR 'S'.
You entered no value or an invalid value for EPA/State indicator.

GEOGRAPHICAL SELECTION CRITERIA NOT ALLOWED FOR NATIONAL REPORT.
You entered Region, State, AQCR, County, or City for a National report.

IF ALL VALUES ARE TO BE SET TO 'E', LEAVE ALL BLANK.
You entered "E" (equal) for all selections in Class Code, Operating Status, or Compliance Status.

IF ALL VALUES ARE TO BE SET TO 'U', NO DATA WILL BE RETRIEVED.
You entered "U" (unequal) for all selections in Class Code, Operating Status, or Compliance Status.

INVALID AIR QUALITY CONTROL REGION.
You entered an invalid Air Quality Control Region code (AQCR).

INVALID AIR QUALITY CONTROL REGION FOR STATE SPECIFIED.
You entered an Air Quality Control Region code that is not valid for the State specified.

INVALID CITY CODE FOR AQCR SPECIFIED.
You entered a City code that is not included in the Air Quality Control Region specified.

INVALID CITY FOR STATE SPECIFIED.
You entered a City code that is invalid for the State specified.

INVALID COUNTY CODE FOR AQCR SPECIFIED.
You entered a County code that is not included in the Air Quality Control Region specified.

INVALID COUNTY FOR STATE SPECIFIED.
You entered a County code that is invalid for the State specified.

INVALID POLLUTANT.
You entered an invalid Pollutant code.

INVALID PRIMARY INDUSTRIAL CLASSIFICATION CODE.
You entered an invalid value for SIC Code.

INVALID REGION CODE.
You entered an invalid Region code.

INVALID STATE.
You entered an invalid State code or State abbreviation.

INVALID STATE FOR REGION SPECIFIED.
You entered an invalid State for the Region code entered.

MINIMUM VALUE MUST BE LESS THAT MAXIMUM.
You entered a minimum value that is greater than the maximum value specified for the Range of
Emissions or SIC Code Range.

PLEASE DO NOT ENTER BOTH PGM/STATUS AREA AND AQCR.

You entered values for Program and Status Area and for AQCR.

PLEASE DO NOT ENTER BOTH PGM/STATUS AREA AND REGION.
You entered values for Program and Status Area and for Region.

PLEASE ENTER A VALID PROGRAM/STATUS AREA.
You entered a invalid value for SIP Program or Status Area code.

PLEASE ENTER A VALID STATE AND PROGRAM/STATUS AREA.
You entered an invalid value for one of State, Program, and Status Area.

PLEASE ENTER A VALID STATE, COUNTY AND PROGRAM/STATUS AREA.
You entered an invalid value for one of State, County, Program or Status Area.

PLEASE ENTER A VALID STATE, COUNTY, CITY, AND PROGRAM/STATUS AREA.
You entered an invalid value for one of State, County, City, Program or Status Area.

POLLUTANT CODE IS REQUIRED.
You did not specify a Pollutant code.

REGN, STTE, AQCR OR PGM/STATUS AREA REQ'D IF NOT A NATIONAL RPT.
You selected 'N' for National report and has not specified Region, State, AQCR, or Program/Status Area.

REQUESTED FUNCTION KEY NOT ALLOCATED.
You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, and PF5.

SELECT ONE EMISSIONS TYPE WITH 'E'.
You selected more than one Emissions Type.

STATE CODE REQUIRED IF CITY CODE IS SPECIFIED.
You specified a City code but did not specify a State code.

STATE CODE REQUIRED IF COUNTY CODE IS SPECIFIED.
You specified a County code but did not specify a State code.

VALUE MUST BE 'Y' OR 'N'.
You entered no value or an invalid value for Optional Report Title or National report.

5.7.4   Summary Level Options

You must specify a data level on which to summarize the data on your report. The levels are:

!   National
!   Region
!   State
!   AQCR
!   County
!   SIC Code
!   Year of Emissions

The Summary Level screen is shown in Figure 5-34.

```
 DATE  :  09/15/92        AIRS FACILITY SUBSYSTEM                PGM:  AFP643
                             SUMMARY LEVEL                       MAP:  AFM6432
 ===============================================================================
 REPORT NAME:  AFS DISTRIBUTION OF EMISSIONS          CRITERIA NAME:


   1 NATIONAL               5 COUNTY

   2 REGION                 6 SIC CODE

   3 STATE                  7 YEAR OF EMISSIONS

   4 AQCR


       ENTER THE NUMBER OF THE LEVEL OF SUMMARY DESIRED:
                               __



  PF3=END  PF4=MAIN MENU  PF5=TERMINATE  PF6=PAGE UP
```

Figure 5-34 Report 643 Summary Level Screen

Instructions

Choose a summary level for your report and press <ENTER>.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the data selection option screen if you make a mistake in specifying information.

ENTER A VALUE FOR THE LEVEL OF SUMMARY.
        You did not select a Summary Level.

REQUESTED FUNCTION KEY NOT ALLOCATED.
        You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom
        of the screen and are PF3, PF4, PF5, and PF6.

SUMMARY ON YINV ALLOWED ONLY WITH ESTIMATED EMISSIONS

You selected to summarize on the Year of Emissions field but <u>did not</u> select Emissions Type "EST" on the Select Criteria screen. You cannot summarize on Year of Emissions (YINV) without first selecting Emissions Type "EST" with an "E" on the Select Criteria screen.

VALUE MUST BE IN THE RANGE OF 1 TO 7.

You selected an invalid Summary Level.

5.7.5   Optional Report Title

This screen allows you to customize your report by providing a sub-title on each report. This title will appear directly under the primary report title. This optional title can be 50 characters in length. You will receive this screen if you answer "Y" (Yes) to the Optional Report Title query on the Select Criteria screen.

The Optional Report Title screen is shown in Figure 5-35.

```
  DATE  :  09/16/92        AIRS FACILITY SUBSYSTEM              PGM:  AFP643
                            OPTIONAL REPORT TITLE                MAP:  AFM0064
  ================================================================================

  REPORT NAME:  AFS DISTRIBUTION OF EMISSIONS            CRITERIA NAME:


  REPORT TITLE: _____










     PF3=END   PF4=MAIN MENU   PF5=TERMINATE   PF6=PAGE UP
```

Figure 5-35 Report 643 Optional Report Title Screen

Instructions

Type the text of your optional title and press <ENTER>. If you selected this screen by accident or changed your mind after you selected it, and don't want an optional title on your report, you may leave the field blank and press <ENTER>.

Error Messages

The error message listed below is displayed at the top of the data selection option screen if you make a mistake in specifying information.

REQUESTED FUNCTION KEY NOT ALLOCATED.
     You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, PF5, and PF6.

5.7.6   Workfile Description

One header (or leading record) is created for the file. This record displays the data that is created for the file. The following is a description of the data record.

FIRST BYTE	FIELD SIZE	FIELD TYPE	FIELD NAME	REMARKS (AFS ACRONYM)
1	1	A	Sort Sequence Indicator	Indicates sort sequence
2	7	A	Sort Area[1]	Area used by program to sort file
9	2	A	Range Sequence	Indicates the ranges requested
11	10	N	Count of Plants	
21	12	N	Count of Points	
33	20	N	Estimated Emissions Value	EES1
53	8	A	Emission Type	From input selection screen
61	5	A	Pollutant Name	PLL1
66	9	A	Chemical Abstract Service Number	CAS1
75	8	A	Pollutant Emissions Minimum Value 1	From input selection screen
83	8	A	Pollutant Emissions Minimum Value 2	From input selection screen
91	8	A	Pollutant Emissions Minimum Value 3	From input selection screen
99	8	A	Pollutant Emissions Minimum Value 4	From input selection screen
107	8	A	Pollutant Emissions Minimum Value 5	From input selection screen
115	8	A	Pollutant Emissions Minimum Value 6	From input selection screen
123	8	A	Pollutant Emissions Minimum Value 7	From input selection screen
131	8	A	Pollutant Emissions Minimum Value 8	From input selection screen
139	8	A	Pollutant Emissions Minimum Value 9	From input selection screen
147	8	A	Pollutant Emissions Minimum Value 10	From input selection screen
155	8	A	Pollutant Emissions Maximum Value 1	From input selection screen
163	8	A	Pollutant Emissions Maximum Value 2	From input selection screen
171	8	A	Pollutant Emissions Maximum Value 3	From input selection screen
179	8	A	Pollutant Emissions Maximum Value 4	From input selection screen
187	8	A	Pollutant Emissions Maximum Value 5	From input selection screen
195	8	A	Pollutant Emissions Maximum Value 6	From input selection screen
203	8	A	Pollutant Emissions Maximum Value 7	From input selection screen
211	8	A	Pollutant Emissions Maximum Value 8	From input selection screen
219	8	A	Pollutant Emissions Maximum Value 9	From input selection screen
227	8	A	Pollutant Emissions Maximum Value 10	From input selection screen

---

[1]   This is the area that the program uses for sorting. The level that you selected for sorting on the Summary Level screen will determine the fields that are in the Sort Area. The six variations are:

A)   REGN (A2)
B)   REGN (A2), STTE (A2)
C)   REGN (A2), STTE (A2), CNTY (A3)
D)   AQCR (A3)
E)   YINV (A2)
F)   SIC1 (A4)

5.8   Report 644 - AFS Plant Emissions Inventory

5.8.1   Description

The AFS Plant Emissions Inventory report provides general and detailed information about selected plants. It includes all relevant identifying and descriptive plant data and emission data for all levels of the plant. This is a very useful report for retrieving a plant's overall pollutant emission data.

You may customize this report by:

!   Generating the report to the printer, to a workfile, or to both.

!   Specifying selection criteria for data fields.

!   Specifying up to seven data fields on which to sort.

!   Creating an optional report title.

A sample of this report (for plant level) is shown in Figure 5-36.

```
==================                    AFS PLANT EMISSIONS INVENTORY
DATE: 09/30/92
     PGM: AFP644

     PAGE:    3

==============================================================================================================
PLANT: 0001 - COATS AMERICAN (AMERICAN THREAD)            YEAR OF EMISSIONS : 1988
STATE: NC/37  CITY: - WOODLAWN                            SIP INVENTORY INDICATOR : -
COUNTY: 111 - MC DOWELL CO  MSA: -                        NUMBER OF STACKS: 3  NUMBER OF POINTS: 3
NUMBER OF SEGMENTS: 3
==============================================================================================================
PLANT NAME: COATS AMERICAN (AMERICAN THREAD)             LAST PLANT UPDATE : 92/09/14
ADDRESS : HIGHWAY 221 NORTH                              REGIONAL PLANNING :
CITY,STATE: WOODLAWN,NC 28752                            LOCAL CONTROL REGN: 01
AQCR   : 165                                            INSPECTOR :
                                                        AMBIENT MONITORING:      SOURCE MONITORING:

STANDARD INDUSTRIAL CLASSIFICATIONS:                    MAILING ADDRESS:
2281 - YARN MILLS, EXCEPT WOOL                           NAME    : COATS AMERICAN (AMERICAN THREAD)
  --                                                     ADDRESS : HIGHWAY 221 NORTH
  --                                                     CITY,STATE: WOODLAWN,NC 28752

NEDS : 0001    EPA ID NUMBER : NCD003157377  DUNN & BRADSTREET : 003157377    CDS : 00001
--------------------------------------------------------------------------------------------------------------
EMISSIONS CONTACT : ESLICK, ( )-

LATITUDE  : 35:47:20                    UTM ZONE      : 17          EMERGENCY CONTROL PLAN : 0 - NOT
REQUIRED
LONGITUDE : 82:01:37                    HORIZONTAL : 407.2 KM       STATE DATA ELEMENT 1 :
                                        VERTICAL   : 3960.8 KM      STATE DATA ELEMENT 9 :

USER PLANT ID    :              NUMBER OF EMPLOYEES :   0    PROPERTY AREA (ACRES) :        0.0
PRINCIPAL PRODUCT :
==============================================================================================================
```

Figure 5-36 AFS Emissions Inventory Report

5.8.2   Output Selection Options

You may select the output destination of your report on the Report Destination screen as shown in Figure 5-37. The options are as follows:

!   Generate a printed report. This option generates the JCL to produce a printed report.

!   Generate a workfile. This option generates a permanent workfile which can be printed and used at a later date.

```
 DATE  :  09/16/92          AIRS FACILITY SUBSYSTEM              PGM:  AFP010
                              REPORT DESTINATION                 MAP:  AFM0067
 ================================================================================


 REPORT NAME: AFS PLANT EMISSIONS INVENTORY            CRITERIA NAME:


                          ENTER X FOR DESIRED OPTION(S)


                  CHOOSE AT LEAST ONE OUTPUT

             _   1.   GENERATE A PRINTED REPORT
             _   2.   GENERATE A WORKFILE




   PF3=END   PF4=MAIN MENU   PF5=TERMINATE

```

Figure 5-37 Report 644 Report Destination Screen

Instructions

You must choose at least one type of output destination and you may select both options. The screen requires that an "X" be entered for the desired options. When selection has been made, press <ENTER>.

If you choose a workfile, you will be required to specify a dataset name for it on the Fixed Report JCL Parameters screen.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the screen if you make a mistake in specifying information.

ENTER 'X' TO SELECT AN OUTPUT OPTION.
        You pressed the enter key without marking an option with an X.

REQUESTED FUNCTION KEY NOT ALLOCATED.
        You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, and PF5.

5.8.3   Data Selection Options

You may define the subset of the data you wish to retrieve for the report by using the Select Criteria screen shown in Figure 5-38.

```
 DATE  :  09/16/92          AIRS FACILITY SUBSYSTEM            PGM:  AFP644
                              SELECT CRITERIA                  MAP:  AFM6441
 ==============================================================================
 REPORT NAME: AFS PLANT EMISSIONS INVENTORY          CRITERIA NAME:
 ENTER OPTIONAL REPORT TITLE (Y/N):  _              EPA/STATE (E/S):  _
 NATIONAL (Y/N):  _    SIP PROGRAM: _____    STATUS AREA: _____
 REGION: __  STATE: __  AQCR: ___  COUNTY: ___  CITY: _____  PLANT: _____
 LEVELS:   PLANT (Y/N): _   STACK (Y/N): _   POINT (Y/N): _   SEGMENT (Y/N): _
                                                           COMMENT (Y/N): _
 PLEASE SUPPLY VALUES OR MARK THE DESIRED SELECTION CRITERIA FIELD(S) WITH ONE
 OF THE FOLLOWING SELECTION CODES:   (E,U) WHERE E=EQUAL, U=UNEQUAL.

                              EMISSION   SCC    SIC    CLAS OPER.  COMPLIANCE
  POLLUTANT  RANGE OF EMISSIONS   TYPE   CODE   CODE   CODE STATUS   STATUS
 _____ _____ TO _____  EST _ _____ ____  A1 _ O _ R _    IN _
 _____ _____ TO _____ POT C _ _____ ____  A2 _ P _ D _   OUT _
 _____ _____ TO _____ POT UC _ _____ ____ UK _ C _ T _ UNKNOWN _
 _____ _____ TO _____ ACT UC _ _____ ____  B _ X _ S _ ON SCHED _
 _____ _____ TO _____                        E1 _ I _     YEAR OF
                                                         E2 _        EMIS INV
                                                RANGE                   __
                                              ____ - ____
  PF3=END  PF4=MAIN MENU  PF5=TERMINATE
```
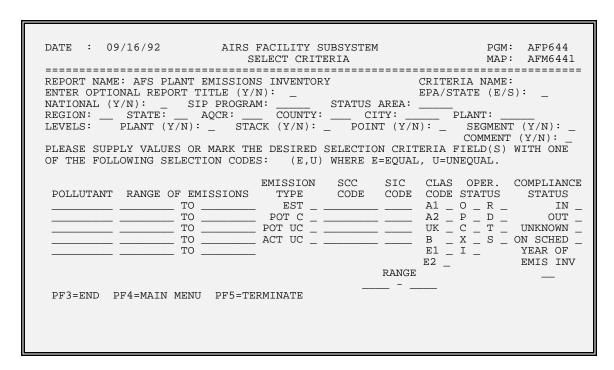
Figure 5-38 Report 644 Select Criteria Screen

There are four groups of selection criteria. The first group consist of the following mandatory fields.

!   Optional Report Title

     You must specify if you want an optional title ("Y") on your report. The optional title will appear as a subtitle under the primary report title. If you request the optional title, you will receive a screen to define the text of the title.

!   EPA/State

     You must define whether you want EPA data or State data to be selected for your report. This definition is needed for the "dual" data elements that appear on the selection screen, such as Classification Code. The file contains two Classification Codes, one is defined for EPA use and the other is defined for State use.

The second group of selection criteria consists of "geographic" criteria. You must specify if the report is to be a National report. If you choose "Y", you will retrieve data from the United States, its territories, and trust possessions. If you enter a "N" for National then you must specify further geographical information of Region, State, AQCR, or Program/Status Area. You may also further define the geographical area by specifying a county, city, or plant.

The third set of selection criteria allows you to define the level of plant data you want for your report. You must specify if you want to retrieve the level ("Y" for Yes) or not ("N" for No). The levels you can choose are Plant, Stack, Point, Segment, and Comment.

The fourth set of selection criteria consists of the following fields.

! Pollutant

You may specify as many as five pollutant codes to be included in the report. If no selection is made for this field, all data are included in the report.

! Range of Emissions

You may specify a range of emissions for the pollutant you selected. If a beginning range is entered, an ending range is required. Valid values are 0.000 to 999999.999.

! Emission Type

You may specify the emission types you want for the report. Valid values are E (Equal) and U (unequal). An "E" will include all data for the specified emission type and a "U" will exclude all data for the specified emission type. If no selection is made for this field, all data are included in the report.

The Emission Types are:
Est	Estimated emissions
Pot C	Potential controlled emissions
Pot UC	Potential uncontrolled emissions
Act UC	Actual uncontrolled emissions

! SCC Code (Source Classification Code)

You may specify up to five values.

! SIC Code (Standard Industrial Code)

You may specify up to four values. If you do not specify any selection, all SIC codes will be included in the report.

! Range

You may enter a range of SIC Codes.

! Class Code

You may select one or more class codes. Valid values are E (Equal) and U (unequal). An "E" will include all data for the specified class code and a "U" will exclude all data for the specified class code. If you do not specify any selection, all Class codes will be included in the report.

The definitions of the Class Codes are:

A1   Major sources of pollution, over 100 tons per year.
A2   Major sources of pollution, less than 100 tons per year.
UK   Unknown level of pollution.
B   Sources of pollution which produce nearly 100 tons per year.
E1   Unregulated sources of pollution for Federal purposes; regulated for state purposes at over 100 tons per year.
E2   Unregulated sources of pollution for Federal purposes; regulated for state purposes at less 100 tons per year.

! Operating status

You may enter a selection for one or more of the operating statuses. Valid values are E (Equal) and U (unequal). An "E" will include all data for the specified operating status and a "U" will exclude all data for the specified operating status. If you do not specify any selection, all Operating Status codes will be included in the report.

The definition of the Operating status codes are:

O   Operating
P   Planned
C   Under construction
X   Permanently closed
I   Seasonal operation
R   NESHAP Renovation
D   NESHAP Demolition
T   Temporary closed
S   NESHAP Spraying

! Compliance Status

You may enter a selection for one or more of the compliance statuses. Valid values are E (Equal) and U (unequal). An "E" will include all data for the specified compliance status and a "U" will exclude all data for the specified compliance status. If you do not specify any selection, all Compliance Status codes will be included in the report.

The definitions of Compliance Status codes are:

In   In compliance
Out   Not in compliance
Unknown   Status is unknown
On Sched   Plant is subject to meeting schedule of compliance and is meeting schedule deadlines.

! Year of Emis Inv (Year of Emissions inventory)

You may enter a year for which to report plant emissions inventory.

Instructions

Enter selection criteria into the available fields on the screen, or alter the previously saved criteria displayed on the screen if you wish. Press <ENTER> when you have finished entering or altering the criteria.

Refer to the AFS Data Dictionary and the AIRS User's Guide Codes And Values for the valid values to use for selection criteria.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the screen if you make a

mistake in specifying information.

CONDITION MUST BE 'E', 'U', OR BLANK.
> You entered an invalid value for Class Code Selection Condition, Operating Status Selection Condition, or Compliance Status Selection Condition.

DO NOT USE BOTH 'E' AND 'U' ON THE SAME ELEMENT.
> You selected 'E' (equal) for one selection and 'U' (unequal) for another selection in the elements of Class selection condition, Operating Status selection condition, or Compliance Status selection condition.

EMISSION TYPE CANNOT BE SPECIFIED IF POLLUTANT NOT ENTERED.
> You marked an Emission Type but did not specify a Pollutant.

EMISSION TYPE REQUIRED IF POLLUTANT ENTERED.
> You entered a Pollutant but did not specify an Emission Type.

ENTER A NUMERIC RANGE VALUE.
> You entered at least one alphabetic character in the Range of Emissions or the SIC Range fields.

ENTER A POLLUTANT CODE FOR THE POLLUTANT RANGE ENTERED.
> You specified a range of pollutants but did not specify the pollutant code.

ENTER A SOURCE CLASS CODE OF 1, 3, 6, OR 8 CHARACTERS.
> You entered a partial value for Source Class code.

ENTER BOTH VALUES FOR A RANGE.
> You entered one value for the Range of Emissions or the SIC Code range.

ENTER 'E' OR BLANK FOR EMISSIONS TYPE.
> You entered an invalid value for the Emissions Type selection.

EPA STATE INDICATOR MUST BE 'E' OR 'S'.
> You entered no value or an invalid value for EPA/State indicator.

GEOGRAPHICAL SELECTION CRITERIA NOT ALLOWED FOR NATIONAL REPORT.
> You entered Region, State, AQCR, County, City, or Plant for a National report.

IF ALL VALUES ARE TO BE SET TO 'E', LEAVE ALL BLANK.
> You entered "E" (equal) for all selections in Class Code, Operating Status, or Compliance Status.

IF ALL VALUES ARE TO BE SET TO 'U', NO DATA WILL BE RETRIEVED.
> You entered "U" (unequal) for all selections in Class Code, Operating Status, or Compliance Status.

INVALID AIR QUALITY CONTROL REGION.
> You entered an invalid Air Quality Control Region Code.

INVALID AIR QUALITY CONTROL REGION FOR STATE SPECIFIED.
> You entered an Air Quality Control Region Code that is not valid for the State specified.

INVALID ARCHIVE YEAR.
> You entered an invalid value for the Year of Emission Inventory.

INVALID CDS OR NEDS PLANT ID.
> You have not used the proper format for the Plant ID field. A CDS plant identification number is four characters long. A NEDS plant identification number is five characters long.

INVALID CITY CODE FOR AQCR SPECIFIED.
> You entered a City code that is not included in the Air Quality Control Region specified.

INVALID CITY FOR STATE SPECIFIED.
> You entered an invalid City code.

INVALID COUNTY CODE FOR AQCR SPECIFIED.
> You entered a County code that is not included in the Air Quality Control Region specified.

INVALID COUNTY FOR STATE SPECIFIED.
> You entered a County code that is invalid for the State specified.

INVALID PLANT FOR STATE AND COUNTY SPECIFIED.
> You entered a Plant code that is not valid for the State and County specified.

INVALID POLLUTANT.
> You entered an invalid Pollutant code.

INVALID PRIMARY INDUSTRIAL CLASSIFICATION CODE.
> You entered an invalid value for SIC Code.

INVALID REGION CODE.
> You entered an invalid Region code.

INVALID SOURCE CLASSIFICATION CODE.
> You entered an invalid SCC Code.

INVALID STATE.
> You entered an invalid State code.

INVALID STATE FOR THE REGION SPECIFIED.
> You did not specify a valid state for the region you entered.

INVALID YEAR OF EMISSIONS INVENTORY.
> You specified a year of emissions inventory that is less than 1950 or greater than the current year.

MINIMUM VALUE MUST BE LESS THAN MAXIMUM.
> You entered a minimum value that is greater than the maximum value specified for Range of Emissions or Range of SIC Codes.

PLEASE DO NOT ENTER BOTH PGM/STATUS AREA AND AQCR.
> You entered both a Program and Status Area and an AQCR.

PLEASE DO NOT ENTER BOTH PGM/STATUS AREA AND REGION.
> You entered both a Program and Status Area and a Region.

PLEASE ENTER A VALID PROGRAM/STATUS AREA.
> You entered an invalid value for SIP Program or Status Area code.

PLEASE ENTER A VALID STATE AND PROGRAM/STATUS AREA.
> You entered an invalid value for one of State, Program, and Status Area.

PLEASE ENTER A VALID STATE, COUNTY AND PROGRAM/STATUS AREA.
> You entered an invalid value for one of State, County, Program, and Status Area.

PLEASE ENTER A VALID STATE, COUNTY, CITY, AND PROGRAM/STATUS AREA.
> You entered an invalid value for one of State, County, City, Program, and Status Area.

REGN, STTE, AQCR OR PGM/STATUS AREA REQ'D IF NOT A NATIONAL RPT.
> You selected 'N' (No) for National report and did not specify Region, State, AQCR, or Program/Status Area.

REQUESTED FUNCTION KEY NOT ALLOCATED.
> You used a PF key that is not valid for this screen. The valid keys are displayed at the bottom of the screen and are PF3, PF4, and PF5.

SELECT ONE EMISSION TYPE WITH 'E'.
> You selected more than one Emission Type.

SPECIFY AT LEAST ONE LEVEL OF INFORMATION.
> You selected 'N' for all levels of information.

STATE AND COUNTY REQUIRED IF PLANT IS SPECIFIED.
> You specified a Plant code but did not specify both State and County codes.

STATE CODE REQUIRED IF CITY CODE IS SPECIFIED.
> You entered a City code but did not enter a State code.

STATE CODE REQUIRED IF COUNTY CODE IS SPECIFIED.
> You entered a County code but did not enter a State code.

VALUE MUST BE 'Y' OR 'N'.
> You entered no value or an invalid value for Optional Report Title, National report, Plant level, Stack level, Point level, Segment level, or Comment level.

5.8.4   Data Sorting Options

You may specify up to seven data fields on which to sort. They are:

> !   Region
> !   State
> !   AQCR
> !   County
> !   Plant ID
> !   Plant Name
> !   SIC-Code

The Sort Criteria Screen for this report is shown in Figure 5-39.

```
DATE  :  09/16/92         AIRS FACILITY SUBSYSTEM              PGM:  AFP644
                             SORT CRITERIA                     MAP:  AFM6442
=============================================================================
REPORT NAME:  AFS PLANT EMISSIONS INVENTORY           CRITERIA NAME:

  1 REGION                 5 PLANT ID

  2 STATE                  6 PLANT NAME

  3 AQCR                   7 SIC-CODE

  4 COUNTY


ENTER THE NUMBERS OF THE SORT ELEMENTS ABOVE IN THE DESIRED SORT SEQUENCE:
              __      __      __      __      __      __      __



  PF3=END  PF4=MAIN MENU  PF5=TERMINATE  PF6=PAGE UP
```

Figure 5-39 Report 644 Sort Criteria Screen

Instructions

Choose the sort elements for your report and press <ENTER>.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the screen if you make a mistake in specifying information.

A SORTING DATA ELEMENT MAY BE USED ONLY ONCE.
        You cannot enter the same sort sequence number multiple times.

REQUESTED FUNCTION KEY NOT ALLOCATED.
        You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom
        of the screen and are PF3, PF4, PF5, and PF6.

SORTING VALUES MUST BE NUMERIC.
You entered a non-numeric value.

VALUE MUST BE IN THE RANGE OF 1 TO 7.
You entered a sort value outside the allowable range.

ZERO OR BLANK ENTRY NOT ALLOWED EXCEPT AT END.
You entered a zero or blank value in an occurrence between occurrences with valid values.

5.8.5   Optional Report Title

This screen allows you to customize your report by providing a sub-title on each report. This title will appear directly under the primary report title. This optional title can be 50 characters in length. You will receive this screen if you answer "Y" (Yes) to the Optional Report Title query on the Select Criteria screen.

The Optional Report Title screen is shown in Figure 5-40.

```
  DATE  :  09/16/92        AIRS FACILITY SUBSYSTEM              PGM:  AFP644
                            OPTIONAL REPORT TITLE                MAP:  AFM0064
  ================================================================================

  REPORT NAME:  AFS PLANT EMISSIONS INVENTORY            CRITERIA NAME:


  REPORT TITLE: _____










     PF3=END   PF4=MAIN MENU   PF5=TERMINATE   PF6=PAGE UP

```

Figure 5-40 Report 644 Optional Report Title Screen

Instructions

Type the text of your optional title and press <ENTER>. If you selected this screen by accident or changed your mind after you selected it, and don't want an optional title on your report, you may leave the field blank and press <ENTER>.

Error Messages

The error message listed below is displayed at the top of the screen if you make a mistake in specifying information.

REQUESTED FUNCTION KEY NOT ALLOCATED.
        You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, PF5, and PF6.

5.8.6   Workfile Description

One header (or leading record) is created for the file. This record displays the data that is created for the file data records. The following is a description of the data record.

FIRST BYTE	FIELD SIZE	FIELD TYPE	FIELD NAME	REMARKS (AFS ACRONYM)
1	70	A	Sort Area	Area used by program to sort file
71	2	A	Region Code	REGN
73	2	A	State Code	STTE
75	3	A	AQCR (Area Quality Control Region)	AQCR
78	3	A	County Code	CNTY
81	4	A	CDS Plant ID	PCDS
85	40	A	Plant Name	PNME
125	7	N	Plant ID	Internal ID for system processing
132	4	A	Archive Year	YINV on Archive File

5.9   Report 645 - AFS Missing Information

5.9.1   Description

The AFS Missing Information Report provides a count of the missing data elements usually reported and available at the various levels of a plant. You specify the level of data to be summarized; plant, stack, point, or segment. Your may also limit the information selected by specifying pollutants, emission types, SCC Codes, SIC Codes, class codes, and status codes.

For each level chosen, the report summarizes the missing information for the General data and the Pollutant data for each pollutant. In addition, if you chose Point level information, missing data is summarized for Point Tank data.

You may customize this report by:

!   Generating the report to the printer, to a workfile, or to both.

!   Specifying selection criteria for data fields.

!   Specifying up to five sort data fields on which to sort.

!   Creating an optional report title.

A sample of this report is shown in Figure 5-41.

```
DATE:  09/18/92                              MISSING PLANT INFORMATION
PGM:   AFP645                          GENERAL PLANT INFORMATION - EMISSIONS
================================================================================
REGION: 01    STATE:  144    AQCR:          COUNTY:
TOTAL NO. OF PLANTS:  144
--------------------------------------------------------------------------------
CITY CODE ...............:  99       NUMBER OF EMPLOYEES .............:  137    AMBIENT MONITORING
INFO ........:  144                  PROPERTY AREA ..................:  144    SOURCE MONITORING INFO
CITY NAME .......:  144              EMERGENCY CONTROL PLAN .........:   95    UTM ZONE
INSPECTOR ......:  95   144          PRINCIPAL PRODUCT ..............:  137    UTM HORIZONTAL COORD
LOCAL CONTROL REGION ..:  112   95   YEAR OF EMIS. INVENTORY ........:   87    UTM VERTICAL COORD
REGIONAL PLANNING AGENCY ...: 144 95 USER.ID ........................:    1    LATITUDE
CONTACT PERSON - EMISSIONS ..: 95 95                                          LONGITUDE
TELEPHONE NUMBER ........:  136  95
--------------------------------------------------------------------------------
                              PLANT POLLUTANT INFORMATION

TOTAL NO. OF PLANTS WITH POLLUTANT   CO /   630080 : 49
YEAR OF EMISSIONS INVENTORY:
ALLOWABLE ........:  48              POTENTIAL CONTROLLED ...........:   49    POTENTIAL UNCONTROLLED
ESTIMATED ......:  49               ACTUAL UNCONTROLLED ............:   49
--------------------------------------------------------------------------------
                              PLANT POLLUTANT INFORMATION
```

Figure 5-41 AFS Missing Information Report

5.9.2   Output Selection Options

You may select the output destination of your report on the Report Destination screen as shown in Figure 5-42. The options are as follows:

> !   Generate a printed report. This option generates the JCL to produce a printed report.
>
> !   Generate a workfile. This option generates a permanent workfile which can be printed and used at a later date.

```
 DATE  :  09/16/92          AIRS FACILITY SUBSYSTEM              PGM:  AFP010
                              REPORT DESTINATION                 MAP:  AFM0067
 ===============================================================================


 REPORT NAME: AFS MISSING INFORMATION REPORT              CRITERIA NAME:


                       ENTER X FOR DESIRED OPTION(S)


              CHOOSE AT LEAST ONE OUTPUT

          _   1.   GENERATE A PRINTED REPORT
          _   2.   GENERATE A WORKFILE




  PF3=END   PF4=MAIN MENU   PF5=TERMINATE
```

Figure 5-42 Report 645 Report Destination Screen

Instructions

You must choose at least one type of output destination and you may select both options. The screen requires that an "X" be entered for the desired options. When selection has been made, press <ENTER>.

If you choose a workfile, you will be required to specify a dataset name for it on the Fixed Report JCL Parameters screen.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the data selection option screen if you make a mistake in specifying information.

ENTER 'X' TO SELECT AN OUTPUT OPTION.
        You pressed the enter key without marking an option with an X.

REQUESTED FUNCTION KEY NOT ALLOCATED.
        You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, and PF5.

5.9.3   Data Selection Options

You may define the subset of the data you wish to retrieve for the report by using the Select Criteria screen shown in Figure 5-43.

```
 DATE  :  09/17/92           AIRS FACILITY SUBSYSTEM              PGM:  AFP645
                               SELECT CRITERIA                    MAP:  AFM6451
 ================================================================================
 REPORT NAME:  AFS MISSING INFORMATION REPORT          CRITERIA NAME:
 ENTER OPTIONAL REPORT TITLE (Y/N):  _                 EPA/STATE (E/S):  _

 NATIONAL (Y/N):  _   SIP PROGRAM:  _____   STATUS AREA:  _____
 REGION:  __    STATE:  __    AQCR:  ____    COUNTY:  ___    CITY:  _____    PLANT:  _____
 LEVELS:    PLANT (Y/N):  _    STACK (Y/N):  _    POINT (Y/N):  _    SEGMENT (Y/N):  _

 PLEASE SUPPLY VALUES OR MARK THE DESIRED SELECTION CRITERIA FIELD(S) WITH ONE
 OF THE FOLLOWING SELECTION CODES:  (E,U) WHERE E=EQUAL, U=UNEQUAL.
                                                             OPER
  POLLUTANT   RANGE OF EMISSIONS   EMIS TYP    SCC      SIC  CLAS STATUS  COMPLIANCE
 _____ _____ TO _____      EST _ _____ ____ A1 _ O _ I _        IN _
 _____ _____ TO _____    POT C _ _____ ____ A2 _ P _ R _       OUT _
 _____ _____ TO _____   POT UC _ _____ ____ UK _ C _ D _   UNKNOWN _
 _____ _____ TO _____   ACT UC _ _____ ____ B  _ X _ T _  ON SCHED _
 _____ _____ TO _____                      ____ E1 _     S _
                                                        E2 _
                                                  RANGE
                                                   ____ - ____

  PF3=END   PF4=MAIN MENU   PF5=TERMINATE
```
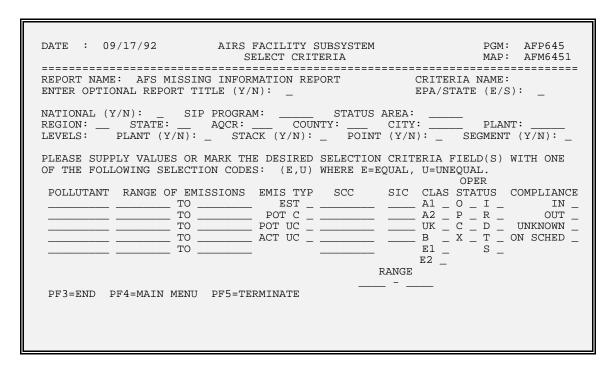
Figure 5-43 Report 645 Select Criteria Screen

There are four groups of selection criteria. The first group consist of the following mandatory fields.

!   Optional Report Title

You must specify if you want an optional title ("Y") on your report. The optional title will appear as a subtitle under the primary report title. If you request the optional title, you will receive a screen to define the text of the title.

!   EPA/State

You must define whether you want EPA data or State data to be selected for your report. This definition is needed for the "dual" data elements that appear on the selection screen, such as Classification Code. The file contains two Classification Codes, one is defined for EPA use and the other is defined for State use.

The second group of selection criteria consists of "geographic" criteria. You must specify if the report is to be a National report. If you choose "Y", you will retrieve data from the United States, its territories, and trust possessions. If you enter a "N" for National then you must specify further geographical information of Region, State, AQCR, or Program/Status Area. You may also further define the geographical area by specifying a county, city, or plant.

The third set of selection criteria allows you to define the level of plant data you want for your report. You must specify if you want to retrieve the level ("Y" for Yes) or not ("N" for No). The levels you can choose are Plant, Stack, Point, or Segment.

The fourth set of selection criteria consists of the following fields.

! Pollutant

You may enter as many as five pollutant codes to be included in the report. If no selection is made for this field, all data are included in the report.

! Range of Emissions

You may enter a range of emissions for the pollutant specified. If a beginning range is entered, an ending range is required. Valid values are 0.000 to 999999.999.

! Emission Type

You may select emission types for the report. Valid values are E (Equal) and U (unequal). An "E" will include all data for the specified emission type and a "U" will exclude all data for the specified emission type.

The Emission Types are:
Est	Estimated emissions
Pot C	Potential controlled emissions
Pot UC	Potential uncontrolled emissions
Act UC	Actual uncontrolled emissions

! SCC Code (Source Classification Code)

You may specify up to five values.

! SIC Code (Standard Industrial Code)

You may specify up to four values. If you do not specify any selection, all SIC codes will be included in the report.

! Range

You may enter a range of SIC Codes.

! Class Code

You may select one or more class codes. Valid values are E (Equal) and U (unequal). An "E" will include all data for the specified class code and a "U" will exclude all data for the specified class code. If you do not specify any selection, all Class codes will be included in the report.

The definitions of the Class Codes are:

A1	Major sources of pollution, over 100 tons per year.
A2	Major sources of pollution, less than 100 tons per year.
UK	Unknown level of pollution.
B	Sources of pollution which produce nearly 100 tons per year.
E1	Unregulated sources of pollution for Federal purposes; regulated for state purposes at over 100 tons per year.
E2	Unregulated sources of pollution for Federal purposes; regulated for state purposes at less 100 tons per year.

! Operating status

You may enter a selection for one or more of the operating statuses. Valid values are E (Equal) and U (unequal). An "E" will include all data for the specified operating status and a "U" will exclude all data for the specified operating status. If you do not specify any selection, all Operating Status codes will be included in the report.

The definition of the Operating status codes are:

O	Operating
P	Planned
C	Under construction
X	Permanently closed
I	Seasonal operation
R	NESHAP Renovation
D	NESHAP Demolition
T	Temporary closed
S	NESHAP Spraying

! Compliance Status

You may enter a selection for one or more of the compliance statuses. Valid values are E (Equal) and U (unequal). An "E" will include all data for the specified compliance status and a "U" will exclude all data for the specified compliance status. If you do not specify any selection, all Compliance Status codes will be included in the report.

The definitions of Compliance Status codes are:

In	In compliance
Out	Not in compliance
Unknown	Status is unknown
On Sched	Plant is subject to meeting schedule of compliance and is meeting schedule deadlines.

Instructions

Enter selection criteria into the available fields on the screen, or alter the previously saved criteria displayed on the screen if you wish. Press <ENTER> when you have finished entering or altering the criteria.

Refer to the AFS Data Dictionary and the AIRS User's Guide Codes And Values for the valid values to use for selection criteria.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the screen if you make a mistake in specifying information.

CONDITION MUST BE 'E', 'U', OR BLANK.
You entered an invalid value for Class Code selection condition, Operating Status selection condition, or Compliance Status selection condition.

DO NOT USE BOTH 'E' AND 'U' ON THE SAME ELEMENT.
You selected 'E' (equal) for one selection and 'U' (unequal) for another selection in the elements of Class selection condition, Operating Status selection condition, or Compliance Status selection condition.

EMISSION TYPE CANNOT BE SPECIFIED IF POLLUTANT NOT ENTERED.
You marked an Emission Type but did not specify a Pollutant.

EMISSION TYPE REQUIRED IF POLLUTANT ENTERED.
You entered a Pollutant but did not specify an Emission Type.

ENTER A NUMERIC RANGE VALUE.
You entered at least one alphabetic character in the Range of Emissions or the SIC Range fields.

ENTER A POLLUTANT CODE FOR THE POLLUTANT RANGE ENTERED.
You entered a range of pollutants but did not enter the pollutant code.

ENTER A SOURCE CLASS CODE OF 1, 3, 6, OR 8 CHARACTERS.
You entered a partial value for Source Class Code.

ENTER BOTH VALUES FOR A RANGE.
You entered one value for the Range of Emissions or the SIC Code Range.

ENTER 'E' OR BLANK FOR EMISSIONS TYPE.
You entered an invalid value for the Emissions Type selection.

EPA STATE INDICATOR MUST BE 'E' OR 'S'.
You entered no value or an invalid value for EPA/State indicator.

GEOGRAPHICAL SELECTION CRITERIA NOT ALLOWED FOR NATIONAL REPORT.
You entered Region, State, AQCR, County, City, or Plant for a National report.

IF ALL VALUES ARE TO BE SET TO 'E', LEAVE ALL BLANK.
You entered "E" (equal) for all selections in Class Code, Operating Status, or Compliance Status.

IF ALL VALUES ARE TO BE SET TO 'U', NO DATA WILL BE RETRIEVED.
You entered "U" (unequal) for all selections in Class Code, Operating Status, or Compliance Status.

INVALID AIR QUALITY CONTROL REGION.
You entered an invalid Air Quality Control Region Code.

INVALID AIR QUALITY CONTROL REGION FOR STATE SPECIFIED.
You entered an Air Quality Control Region Code that is not valid for the state specified.

INVALID CDS OR NEDS PLANT ID.
You have not used the proper format for the Plant ID field. A CDS plant identification number is four characters long. A NEDS plant identification number is five characters long.

INVALID CITY CODE FOR AQCR SPECIFIED.
You entered a City code that is not included in the Air Quality Control Region specified.

INVALID CITY FOR STATE SPECIFIED.
　　You entered an invalid City code.

INVALID COUNTY CODE FOR AQCR SPECIFIED.
　　You entered a County code that is not included in the Air Quality Control Region specified.

INVALID COUNTY FOR STATE SPECIFIED.
　　You entered a County code that is invalid for the State specified.

INVALID PLANT FOR STATE AND COUNTY SPECIFIED.
　　You entered a Plant code that is not valid for the State and County specified.

INVALID POLLUTANT.
　　You entered an invalid Pollutant code.

INVALID PRIMARY INDUSTRIAL CLASSIFICATION CODE.
　　You entered an invalid value for SIC Code.

INVALID REGION CODE.
　　You entered an invalid Region code.

INVALID SOURCE CLASSIFICATION CODE.
　　You entered an invalid SCC Code.

INVALID STATE.
　　You entered an invalid State code.

INVALID STATE FOR REGION SPECIFIED.
　　You entered an invalid State for the Region code specified.

INVALID YEAR OF EMISSIONS INVENTORY.
　　You specified a year of emissions inventory that is less than 1950 or greater than the current year.

MINIMUM VALUE MUST BE LESS THAT MAXIMUM.
　　You entered a minimum value that is greater than the maximum value specified for the Range of Emissions or SIC Code range.

PLEASE DO NOT ENTER BOTH PGM/STATUS AREA AND AQCR.
　　You entered a Program and Status Area and an AQCR.

PLEASE DO NOT ENTER BOTH PGM/STATUS AREA AND REGION.
　　You entered a Program and Status Area and a Region code.

PLEASE ENTER A VALID PROGRAM/STATUS AREA.
　　You entered an invalid value for SIP Program or Status Area code.

PLEASE ENTER A VALID STATE AND PROGRAM/STATUS AREA.
　　You entered an invalid value for one of State, Program, and Status Area.

PLEASE ENTER A VALID STATE, COUNTY, AND PROGRAM/STATUS AREA.
　　You entered an invalid value for one of State, County, Program, and Status Area.

PLEASE ENTER A VALID STATE, COUNTY, CITY, AND PROGRAM/STATUS AREA.
　　You entered an invalid value for one of State, County, City, Program, and Status Area.

REGN, STTE, AQCR OR PGM/STATUS AREA REQ'D IF NOT A NATIONAL RPT.
　　You selected 'N' (No) for National report and did not specify Region, State, AQCR, or Program/Status Area.

REQUESTED FUNCTION KEY NOT ALLOCATED.

You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, and PF5.

SELECT ONE EMISSIONS TYPE WITH 'E'.

You entered a Pollutant but did not specify the emissions type.

SPECIFY AT LEAST ONE LEVEL OF INFORMATION.

You selected 'N' for all levels of information.

STATE AND COUNTY REQUIRED IF PLANT IS SPECIFIED.

You specified a plant code but has not specified both State and County codes.

STATE CODE REQUIRED IF CITY CODE IS SPECIFIED.

You entered a City code but have not entered a State code.

STATE CODE REQUIRED IF COUNTY CODE IS SPECIFIED.

You entered a County code but have not entered a State code.

VALUE MUST BE 'Y' OR 'N'.

You entered no value or an invalid value for Optional Report Title, National report, Plant level, Stack level, Point level, or Segment level.

5.9.4   Summary Level Options

You must specify a data level on which to summarize the data. The levels are:

! National
! Region
! State
! AQCR
! County

The Summary Level screen is shown in Figure 5-44.

```
DATE  :  09/17/92          AIRS FACILITY SUBSYSTEM              PGM:  AFP645
                              SORT CRITERIA                     MAP:  AFM6452
===============================================================================
REPORT NAME:  AFS MISSING INFORMATION REPORT        CRITERIA NAME:


       1    NATIONAL                        5    COUNTY

       2    REGION

       3    STATE

       4    AQCR


            ENTER THE NUMBER OF THE LEVEL OF SUMMARY DESIRED:

                                    __



 PF3=END  PF4=MAIN MENU   PF5=TERMINATE   PF6=PAGE UP
```

Figure 5-44 Report 645 Summary Level Screen

Instructions

Choose a summary level for your report and press <ENTER>.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the data selection option screen if you make a mistake in specifying information.

ENTER A VALUE FOR THE LEVEL OF SUMMARY.
       You entered no value or an invalid value for the Level of Summary.

REQUESTED FUNCTION KEY NOT ALLOCATED.
>   You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, PF5, and PF6.

VALUE MUST BE IN THE RANGE OF 1 TO 5.
>   You entered an invalid value.

5.9.5   Optional Report Title

This screen allows you to customize your report by providing a sub-title on each report. This title will appear directly under the primary report title. This optional title can be 50 characters in length. You will receive this screen if you answer "Y" (Yes) to the Optional Report Title query on the Select Criteria screen.

The Optional Report Title screen is shown in Figure 5-45.

```
 DATE  :  09/18/92          AIRS FACILITY SUBSYSTEM              PGM:  AFP645
                            OPTIONAL REPORT TITLE                MAP:  AFM0064
 ================================================================================

 REPORT NAME:  AFS MISSING INFORMATION REPORT          CRITERIA NAME:


 REPORT TITLE: _____









 
 
 
 
 
   PF3=END   PF4=MAIN MENU   PF5=TERMINATE   PF6=PAGE UP
```

Figure 5-45 Report 645 Optional Title Screen

Instructions

Type the text of your optional title and press <ENTER>. If you selected this screen by accident or changed your mind after you selected it, and don't want an optional title on your report, you may leave the field blank and press <ENTER>.

Error Messages

The error message listed below is displayed at the top of the screen if you make a mistake in specifying information.

REQUESTED FUNCTION KEY NOT ALLOCATED.
> You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, PF5, and PF6.

5.9.6   Workfile Description

One header (or leading record) is created for the file. The file can contain up to ten types of data records depending on the level you selected on the selection screen. Each record type has a different format, however, each one has a sort area that is common. The sort area consists of 102 characters of data and the data area consists of up to 104 characters of data. Each data record represents one selected plants totals. This is different from the output report which displays summary totals for all selected plants. The following is a description of the data records.

FIRST BYTE	FIELD SIZE	FIELD TYPE	FIELD NAME	REMARKS (AFS ACRONYM)
Sort Area				
1	2	A	Region Code	REGN
3	2	A	State Code	STTE
5	3	A	AQCR	AQCR
8	3	A	County Code	CNTY
11	2	A	Year of Emissions Inventory	YINV
13	1	A	Record Type	Values: A, B, C, D, E, F, G, H, I, J
14	5	A	Pollutant Code	PLL1
19	9	A	Chemical Abstract Service Number	CAS1
28	30	A	City Name	CYNM
58	7	N	Plant ID	Internal ID for system processing
65	5	A	CDS Plant ID	PCDS
70	4	A	NEDS Plant ID	PNED
74	7	P	Total Number of Plants	
78	25	A	Filler	

Plant General Data Area (Record Type A)
* All fields are counters

FIRST BYTE	FIELD SIZE	FIELD TYPE	FIELD NAME	REMARKS (AFS ACRONYM)
103	7	P	City Code	CYCD
107	7	P	Inspector	INSR
111	7	P	Local Control Region	LCON
115	7	P	Regional Planning Agency	RPLA
119	7	P	Emissions Contact Person	CTPE
123	7	P	Emissions Contact Person Telephone Number	TLNE
127	7	P	Number of Employees	NMEP
131	7	P	Property Area	PRAR
135	7	P	Emergency Control Plan	EMCP
139	7	P	Principal Product	PRPR
143	7	P	Plant City Name	CYNM
147	7	P	Ambient Monitoring Information	AMBM
151	7	P	Source Monitoring Information	SMON
155	7	P	UTM Zone	UTZ1
159	7	P	UTM Horizontal Coordinate	UTH1
163	7	P	UTM Vertical Coordinate	UTV1
167	7	P	Latitude	LAT1
171	7	P	Longitude	LON1
175	7	P	Year of Emissions Inventory	YINV
179	7	P	Person Updating Record	PU11

Plant Pollutant Data Area (Record Type B)
* All fields are counters

103	7	P	Number of Plants With Pollutant		
107	7	P	Allowable Emissions		EAL1
111	7	P	Potential Controlled Emissions		EPC1
115	7	P	Potential Uncontrolled Emissions		EPU1
119	7	P	Estimated Emissions		EES1
123	7	P	Actual Uncontrolled Emissions	EAU1	

Stack General Data Area (Record Type C)
* All fields are counters

103	7	P	Number of Stacks		
107	7	P	Stack Height		STHT
111	7	P	Stack Diameter	STDM	
115	7	P	Stack Exit Gas Temperature		STET
119	7	P	Stack Gas Flow Rate		STFR
123	7	P	Stack Exit Gas Velocity		STEV
127	7	P	Stack Emission Recorder		STER
131	7	P	Plume Height		PLHT
135	7	P	Stack Lining		STLN
139	7	P	Stack Type Code		STYP
143	7	P	Rough Terrain Indicator		STER
147	7	P	Stack UTM Horizontal Coordinate		UTH2
151	7	P	Stack UTM Vertical Coordinate		UTV2
155	7	P	Stack Latitude Coordinate		LAT2
159	7	P	Stack Longitude Coordinate		LON2
163	7	P	GEP Stack Height	GPSH	
167	7	P	GEP Building Height		GPBH
171	7	P	GEP Building Length		GPBL
175	7	P	GEP Building Width		GPBW

Stack Pollutant Data Area (Record Type D)
* All fields are counters

103	7	P	Number of Stacks With Pollutant		
107	7	P	Estimated Emissions		EES2
111	7	P	Allowable Emissions		EAL2
115	7	P	Potential Controlled Emissions		EPC2
119	7	P	Potential Uncontrolled Emissions		EPU2
123	7	P	Measured Emissions	EME2	
127	7	P	Actual Uncontrolled Emissions	EAU2	

Point General Data Area (Record Type E)
* All fields are counters

103	7	P	Number of Points	
107	7	P	Design Capacity	CAPC
111	7	P	Design Capacity Unit	CAPU
115	7	P	Confidential Indicator	CON3
119	7	P	Space Heat	SPHT
123	7	P	Percentage Annual Thruput	PAT1+PAT2+PAT3+PAT4
127	7	P	Percentage Annual Thruput 1	PAT1
131	7	P	Percentage Annual Thruput 2	PAT2
135	7	P	Percentage Annual Thruput 3	PAT3
139	7	P	Percentage Annual Thruput 4	PAT4
143	7	P	Normal Operating Schedule	NOHD+NODW+NOHY
147	7	P	Normal Operating Hours Per Day	NOHD
151	7	P	Normal Operating Days Per Week	NODW
155	7	P	Normal Operating Hours Per Year	NOHY
159	7	P	Control Regulation	CLRG
163	7	P	User Point ID	USPT
167	7	P	Burner Type Make	BTMA
171	7	P	Burner Type Model	BTMO
175	7	P	Burner Installation Date	BINS
179	7	P	Draft Type	DRPT
183	7	P	Draft Control Type	DCCT
187	7	P	Draft Control Location	DCCL
191	7	P	Emissions Data Element 2	SDO2
195	7	P	Emissions Data Element 3	SDO3
199	7	P	Emissions Data Element 4	SDO4
203	7	P	Emissions Data Element 5	SDO5

Point Tank Data Area (Record Type F)
* All fields are counters

103	7	P	Number of Points With Tank	
107	7	P	Tank Diameter	TKDD
111	7	P	Tank Height	TKDH
115	7	P	Tank Age	TKAG
119	7	P	Tank Loading Type	TKLT
123	7	P	Tank Color	TKCL
127	7	P	Tank Roof Paint Color	TKRP
131	7	P	Tank Shell Paint Color	TKSP
135	7	P	Tank Average Vapor Space Height	TKVH
139	7	P	Tank Paint Condition	TKPC
143	7	P	Tank Diurnal Temperature Change	TKTC
147	7	P	Tank Construction Type	TKCT
151	7	P	Tank Shell Condition	TKSC
155	7	P	Tank Deck Construction Type	TKDC
159	7	P	Tank Seal Type	TKSL
163	7	P	Tank Average Wind Speed	TKWS
167	7	P	Tank Support Type	TKST

Point Pollutant Data Area (Record Type G)
* All fields are counters

103	7	P	Number of Points With Pollutant		
107	7	P	Estimated Emissions		EES3
111	7	P	Allowable Emissions		EAL3
115	7	P	Potential Controlled Emissions		EPC3
119	7	P	Potential Uncontrolled Emissions		EPU3
123	7	P	Measured Emissions	EME3	
127	7	P	Actual Uncontrolled Emissions	EAU3	

Segment General Data Area (Record Type H)
* All fields are counters

103	7	P	Number of Segments		
107	7	P	Confidential Indicator		CON4
111	7	P	Segment Description		DSC4
115	7	P	Annual Fuel Process Rate		FPRT
119	7	P	Maximum Operation Rate Per Hour		MORT
123	7	P	Optional Fuel Process Rate Units		FPRU
127	7	P	Sulfur Content		SULF
131	7	P	Ash Content		ASHC
135	7	P	Ash Sulfur Source		ASSS
139	7	P	Ash Sulfur Origin		ASSO
143	7	P	Heat Content		HEAT
147	7	P	Fuel Material Supplier		FUMS
151	7	P	Tank Vapor Pressure		TKVP
155	7	P	Tank Vapor Molecular Weight		TKVM
159	7	P	Control Equipment Cost		CLEC
163	7	P	Control Equipment Installation Date		CLIN
167	7	P	Solvent Quantity Purchased		SOLP
171	7	P	Solvent Quantity Reprocessed	SOLR	
175	7	P	Material Safety Data Sheet		MSDS

Segment Pollutant Data Area (Record Type I)
* All fields are counters

103	7	P	Number of Segments With Pollutant		
107	7	P	Estimated Emissions		EES4
111	7	P	Measured Emissions		EME4
115	7	P	Allowable Emissions		EAL4
119	7	P	Potential Controlled Emissions		EPC4
123	7	P	Potential Uncontrolled Emissions		EPU4
127	7	P	Actual Uncontrolled Emissions	EAU4	
131	7	P	Emission Factor		EMFA
135	7	P	Emission Factor Decimal Position		
139	7	P	Emission Factor Origin		EMOR
143	7	P	Emission Factor Source	EMSR	
147	7	P	Ash Sulfur Trace Code	ASTC	
151	7	P	Trace Element Percent	TEPC	
155	7	P	Trace Element Method Code		TEMP
159	7	P	Primary/Secondary Controls		CTL1+CTL2
163	7	P	Control Equipment Efficiency		CLEE
167	7	P	Control Equipment Efficiency Method		CLEM

Pollutant Chemical Data Area (Record Type J)
* All fields are counters

103	7	P	Number of Segments With Chemical Abstract #	
107	7	P	Chemical Abstract Service Number	CASC
111	7	P	Chemical Density	CHDN
115	7	P	Chemical Density Decimal	
119	7	P	Chemical Density Weight Percent	CHWP

5.10   Report 646 - AFS Critical Data Elements

5.10.1 Description

The AFS Critical Data Element Report identifies critical data elements which have changed values for a plant or plants within a geographic region, and possess specific emission classifications, air programs, operating statuses, and/or compliance statuses. The report identifies each plant by state, county, plant ID, and plant name and lists old and new values for critical data elements modified during a specified time frame.

You may customize this report by:

!   Generating the report to the printer, to a workfile, or to both.

!   Specifying selection criteria for data fields.

!   Creating an optional report title.

A sample of the report is shown in Figure 5-46.

```
DATE: 09/24/92
PGM:  AFP646
PAGE:      6

                                    AFS CRITICAL DATA ELEMENT REPORT

====================================================================================================
ST CNTY PLNT OLD NAME/NEW NAME              AIR STTE EPA  STTE EPA  OPER SVIL   ANUM ATYP DTAC
CEMI INSP INSP ST                           PGM CMST CMST CLAS CLAS STAT
     YEAR FREQ RE                            AD  O N  O N  O N  O N  O N    N   CHG       AD
DL O  N   O N HQ
====================================================================================================
02 777 00022 ASSOCIATED SAND & GRAVEL, INC.                                    002      17 06/10/92
             RE                                                                00022
02 777 00023 ENIVIROMENTAL SYSTEMS, INC
             ENERGY PRODUCTS, INC
             RE
02 777 00023 ENERGY PRODUCTS, INC                              O I
             RE
02 777 00023 ENERGY PRODUCTS, INC                                              001      00 04/20/92
             RE                                                                00023
02 777 90001 WILDER CPP                                                        021      17 06/02/92
             RE                                                                90001
02 777 90004 WILDER X400                                                       011      00 03/18/92
             RE                                                                90004
02 777 90004 WILDER X400                                                       012      17 06/29/92
             RE                                                                90004
02 777 90004 WILDER X400
             RE                             2 3
```

Figure 5-46 AFS Critical Data Elements Report

5.10.2   Output Selection Options

You may select the output destination of your report on The Report Destination screen as shown in Figure 5-47. The options are as follows:

!   Generate a printed report. This option generates the JCL to produce a printed report.

!   Generate a workfile. This option generates a permanent workfile which can be printed and used at a later date.

```
 DATE  :  09/21/92          AIRS FACILITY SUBSYSTEM                PGM:  AFP010
                             REPORT DESTINATION                    MAP:  AFM0067
 ===============================================================================


 REPORT NAME: AFS CRITICAL DATA ELEMENT REPORT           CRITERIA NAME:


                          ENTER X FOR DESIRED OPTION(S)


                 CHOOSE AT LEAST ONE OUTPUT

            _   1.   GENERATE A PRINTED REPORT
            _   2.   GENERATE A WORKFILE




  PF3=END   PF4=MAIN MENU   PF5=TERMINATE
```

Figure 5-47 Report 646 Report Destination Screen

Instructions

You must choose at least one type of output destination and you may select both options. Enter an "X" for the desired options. Press <ENTER> when you have made your selection.

If you choose a workfile, you will be required to specify a dataset name for it on the Fixed Report JCL Parameters screen.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the selection output screen if you make a mistake in specifying information.

ENTER 'X' TO SELECT AN OUTPUT OPTION.
          You pressed the enter key without marking an option with an X or marked the option with a non-X character.

REQUESTED FUNCTION KEY NOT ALLOCATED.
          You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, and PF5.

5.10.3 Data Selection Options

You may define the subset of the data you wish to retrieve for the report by using the Select Criteria screen shown in Figure 5-48.
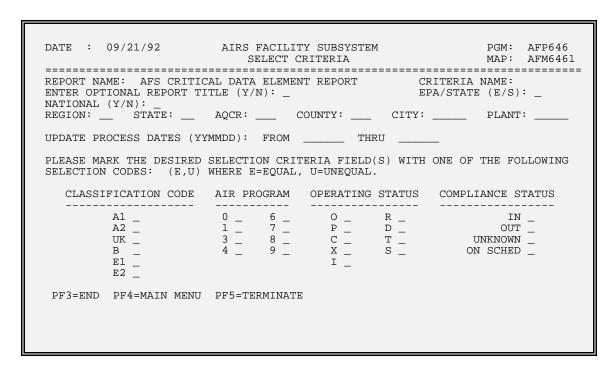
```
 DATE  :  09/21/92          AIRS FACILITY SUBSYSTEM            PGM:  AFP646
                              SELECT CRITERIA                  MAP:  AFM6461
 ==============================================================================
 REPORT NAME:  AFS CRITICAL DATA ELEMENT REPORT        CRITERIA NAME:
 ENTER OPTIONAL REPORT TITLE (Y/N): _                  EPA/STATE (E/S): _
 NATIONAL (Y/N): _
 REGION: __    STATE: __    AQCR: ___    COUNTY: ___    CITY: _____    PLANT: _____

 UPDATE PROCESS DATES (YYMMDD):  FROM  _____    THRU  _____

 PLEASE MARK THE DESIRED SELECTION CRITERIA FIELD(S) WITH ONE OF THE FOLLOWING
 SELECTION CODES:  (E,U) WHERE E=EQUAL, U=UNEQUAL.

    CLASSIFICATION CODE     AIR PROGRAM     OPERATING STATUS    COMPLIANCE STATUS
    -------------------     -----------     ----------------    -----------------
            A1 _           0 _   6 _         O _    R _              IN _
            A2 _           1 _   7 _         P _    D _             OUT _
            UK _           3 _   8 _         C _    T _         UNKNOWN _
            B  _           4 _   9 _         X _    S _         ON SCHED _
            E1 _                             I _
            E2 _

  PF3=END  PF4=MAIN MENU  PF5=TERMINATE
```

Figure 5-48 Report 646 Select Criteria Screen

There are three groups of selection criteria. The first group consists of the following mandatory fields.

!   Optional Report Title

        You must specify if you want an optional title ("Y") on your report. The optional title will appear as a subtitle under the primary report title. If you request the optional title, you will receive a screen to define the text of the title.

!   EPA/State

        You must define whether you want EPA data or State data to be selected for your report. This definition is needed for the "dual" data elements that appear on the selection screen, such as Classification Code. The file contains two Classification Codes, one defined for EPA use and the other defined for State use.

The second group of selection criteria consists of "geographic" criteria. You must specify if the report is to be a National report. If you choose "Y", you will retrieve data from the United States, its territories, and trust possessions. If you enter an "N" for National, then you must specify further geographical information of Region, State, AQCR, or Program/Status Area. You may further define the geographical area by specifying a County, City, or Plant.

The third set of selection criteria consists of the following fields.

> ! Update Process Dates
>
> You may specify a range of dates on which the records were processed. Dates must be in the format YYMMDD.
>
> ! Classification Code
>
> You may select one or more classification codes. Valid values are E (equal) and U (unequal). An "E" will include all data for the specified classification code and a "U" will exclude all data for the specified classification code. If you do not specify any selection, all classification codes will be included in the report.
>
> The definitions of the Classification Codes are:
> | | |
> |---|---|
> | A1 | Major sources of pollution, over 100 tons per year. |
> | A2 | Major sources of pollution, less than 100 tons per year. |
> | UK | Unknown level of pollution. |
> | B | Sources of pollution which produce nearly 100 tons per ear. |
> | E1 | Unregulated sources of pollution for Federal purposes; regulated for state purposes at over 100 tons per year. |
> | E2 | Unregulated sources of pollution for Federal purposes; regulated for state purposes at less than 100 tons per year. |

> ! Air Program
>
> You may select one or more Air Programs. Valid values are E (equal) and U (unequal). An "E" will include all data for the specified Air Program and a "U" will exclude all data for the specified Air Program. If you do not specify any selection, all Air Programs will be included in the report.
>
> The definitions of the Air Program codes are:
> | | |
> |---|---|
> | 0 | SIP Source |
> | 1 | SIP Source Under Federal Jurisdiction |
> | 3 | Non-Federally Reportable Source |
> | 4 | CFC Tracking |
> | 6 | PSD |
> | 7 | NSR |
> | 8 | NESHAP |
> | 9 | NSPS |

> ! Operating Status
>
> You may enter a selection for one or more of the operating statuses. Valid values are E (equal) and U (unequal). An "E" will include all data for the specified operating status and a "U" will exclude all data for the specified status. If you do not specify any selection, all Operating Status codes will be included in the report.

The definition of the Operating status codes are:

O	Operating
P	Planned
C	Under construction
X	Permanently closed
I	Seasonal operation
R	NESHAP Renovation
D	NESHAP Demolition
T	Temporary closed
S	NESHAP Spraying

!   Compliance Status

You may enter a selection for one or more of the compliance statuses. Valid values are E (equal) and U (unequal). An "E" will include all data for the specified compliance statuses and a "U" will exclude all data for the specified compliance statuses. If you do not specify any selection, all Compliance Status codes will be included in the report.

The definitions of Compliance Status codes are:

In	In compliance
Out	Not in compliance
Unknown	Status is unknown
On Sched	Plant is subject to meeting schedule of compliance and is meeting schedule deadlines.

Instructions

Enter selection criteria into the available fields on the screen, or alter the previously saved criteria displayed on the screen if you wish. Press <ENTER> when you have finished entering or altering the criteria.

Refer to the AFS Data Dictionary and the AIRS User's Guide Codes And Values for the valid values to use for selection criteria.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the data selection option screen if you make a mistake in specifying information.

CONDITION MUST BE 'E', 'U', OR BLANK.
> You entered an invalid value for Classification Code selection condition, Air Program selection condition, Operating Status selection condition, or Compliance Status selection condition.

DO NOT USE BOTH 'E' AND 'U' ON THE SAME ELEMENT.
> You selected "E" (equal) for one selection and "U" (unequal) for another selection in the elements of Classification selection condition, Air Program selection condition, Operating Status selection condition, or Compliance Status selection condition.

EPA STATE INDICATOR MUST BE 'E' OR 'S'.
> You entered no value or an invalid value for EPA/State indicator.

GEOGRAPHICAL SELECTION CRITERIA NOT ALLOWED FOR NATIONAL REPORT.
> You entered Region, State, AQCR, County, City, or Plant for a National report.

IF ALL VALUES ARE TO BE SET TO 'E', LEAVE ALL BLANK.
> You entered "E" (equal) for all selections in the Classification Code, Air Program, Operating Status, or Compliance Status selections.

IF ALL VALUES ARE TO BE SET TO 'U', NO DATA WILL BE RETRIEVED.
You entered "U" (equal) for all selections in the Classification Code, Air Program, Operating Status, or Compliance Status selections.

INVALID AIR QUALITY CONTROL REGION.
You entered an invalid Air Quality Control Region Code.

INVALID AIR QUALITY CONTROL REGION FOR STATE SPECIFIED.
You entered an Air Quality Control Region Code that is not valid for the state specified.

INVALID CDS OR NEDS PLANT ID.
You have not used the proper format for the Plant ID field. A CDS plant identification number is four characters long. A NEDS plant identification number is five characters long.

INVALID CITY CODE FOR AQCR SPECIFIED.
You entered a city code that is not included in the Air Quality Control Region specified.

INVALID CITY FOR STATE SPECIFIED.
You entered a City code that is not included in the State specified.

INVALID COUNTY CODE FOR AQCR SPECIFIED.
You entered a County code that is invalid for the Air Quality Control Region specified.

INVALID COUNTY FOR STATE SPECIFIED.
You entered a County code that is invalid for the State specified.

INVALID DATE - USE FORMAT YYMMDD.
You entered the Process Date in the incorrect format.

INVALID PLANT FOR STATE AND COUNTY SPECIFIED.
You entered a Plant code that is not valid for the State and County specified.

INVALID PROCESS DATE.
You entered a date equal to or after the current date.

INVALID REGION CODE.
You entered an invalid Region code.

INVALID STATE.
You entered an invalid State code or State abbreviation.

INVALID STATE FOR REGION SPECIFIED.
The state you specified is not valid for the region you entered.

"PROCESS FROM DATE" MUST BE EARLIER THAN "PROCESS TO DATE".
You entered a "Process from Date" that is later than the "Process to Date".

REGION REQUIRED IF NOT A NATIONAL REPORT.
You selected 'N' (No) for National report and did not specify a Region.

REQUESTED FUNCTION KEY NOT ALLOCATED.
You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, and PF5.

STATE AND COUNTY REQUIRED IF PLANT IS SPECIFIED.
You specified a Plant code but did not specify both State and County codes.

STATE CODE REQUIRED IF CITY CODE IS SPECIFIED.
You specified a City code but did not specify a State code.

STATE CODE REQUIRED IF COUNTY CODE IS SPECIFIED.
You specified a County code but did not specify a State code.

VALUE MUST BE 'Y' OR 'N'.
You have entered no value or an invalid value for Optional Report Title or National report.

5.10.4   Optional Report Title

This screen allows you to customize your report by providing a sub-title on each report. This title will appear directly under the primary report title. This optional title can be 50 characters in length. You will receive this screen if you answer "Y" (Yes) to the Optional Report Title query on the Select Criteria screen.

The Optional Report Title screen is shown in Figure 5-49.

```
DATE  :  09/21/92          AIRS FACILITY SUBSYSTEM              PGM:  AFP646
                           OPTIONAL REPORT TITLE                MAP:  AFM0064
================================================================================

REPORT NAME:  AFS CRITICAL DATA ELEMENT REPORT          CRITERIA NAME:


REPORT TITLE: _____









  PF3=END   PF4=MAIN MENU   PF5=TERMINATE   PF6=PAGE UP
```

Figure 5-49 Report 646 Optional Title Screen

Instructions

Type the text of your optional title and press <ENTER>. If you selected this screen by accident or changed your mind after you selected it, and don't want an optional title on your report, you may leave the field blank and press <ENTER>.

Error Messages

The error message listed below is displayed at the top of the data selection screen if you make a mistake in specifying information.

REQUESTED FUNCTION KEY NOT ALLOCATED.
> You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, PF5 and PF6.

5.10.5   Workfile Description

One header (or leading record) is created for the file. This record displays the selection criteria that you created for the file. The following is a description of the data record.

FIRST BYTE	FIELD SIZE	FIELD TYPE	FIELD NAME		REMARKS (AFS ACRONYM)
1	30	A	Sort		Area used by program to sort file
31	10	A	Process Code		Date/Time stamp field
41	2	A	State Code		STTE
43	3	A	County Code		CNTY
46	5	A	Plant ID		PCDS
51	40	A	Old Plant Name		PNME
91	40	A	New Plant Name		PNME
131	1	A	New Air Program Code	APC1	
132	1	A	Old State Compliance Status		SCA1
133	1	A	New State Compliance Status		SCA1
134	1	A	Old EPA Compliance Status		ECA1
135	1	A	New EPA Compliance Status		ECA1
136	2	A	Old State Classification	SLA1	
138	2	A	New State Classification		SLA1
140	2	A	Old EPA Classification		ELA1
142	2	A	New EPA Classification		ELA1
143	1	A	Old Operating Status		OPST
144	1	A	New Operating Status		OPST
145	1	A	Old Significant Violator Flag 1		SCI1
146	1	A	Old Significant Violator Flag 2		SCI2
147	1	A	Old Significant Violator Flag 3		SCI3
148	1	A	Old Significant Violator Flag 4		SCI4
149	1	A	New Significant Violator Flag 1		SCI1
150	1	A	New Significant Violator Flag 2		SCI2
151	1	A	New Significant Violator Flag 3		SCI3
152	1	A	New Significant Violator Flag 4		SCI4
153	3	N	Action Number	ANU1	
156	5	A	Indirect State Source ID		IS17
161	2	A	Old Action Type		ATP1
163	2	A	New Action Type		ATP1
165	6	A	New Date Achieved		DTA1
171	1	A	Old Continuous Emissions Indicator		CEM1
172	1	A	New Continuous Emissions Indicator		CEM1
173	6	A	Filler		
179	2	A	User Classification		User profile classification code

5.11   Report 649 - AFS County Point Source Summary

5.11.1 Description

The AFS County Point Source Summary report displays emissions summary information for plants within a geographic area. For each plant, it displays the number of the emissions points in the plant and displays the total plant estimated emissions. For each county in the report, it summarizes the plant estimated emissions in tons per year and tallies the number of plants with emissions greater than 100 tons per year.

You may customize this report by:

> !   Generating this report to the printer, to a workfile, or to both.

> !   Specifying selection criteria for data fields.

> !   Creating an optional report title.

A sample of this report is shown in Figure 5-50.

```
DATE   : 09/24/92                        AFS COUNTY POINT SOURCE SUMMARY
         PGM: AFP649
========================================================================================
                      STATE: 16 IDAHO                 COUNTY: 003 ADAMS CO
                                                                    TOTAL
                                                                    # OF
PLANT NAME AND ADDRESS              SIC  AQC UTZ UTMH  UTMV  POINTS YR VOC   SO2   NO2
PT ---- ---------------             ---- --- --- ----- -----  ------ -- ----- ----- -----
   ---- ---------------
00004 TAMARACK ENERGY          HW 2421 063 11 548.3 4878.0    1  88 59.0   6.0  118.0
   0.0    0.0
0004 HWY 95
     TAMARACK
             83654
     EVERGREEN FOREST PROD   HWY 95, 2421 063 11 538.3 4878.0    5  88  0.0   0.0    0.0
  26.0    0.0
0001 NO STREET ADDRESS       000000000  N  2421 063 11 543.5 4953.0    1  88  0.0   0.0    0.0
     MERIDIAN
     BOISE CASCADE
  28.0    0.0
0002 NO STREET ADDRESS       000000000
     MERIDIAN

   ------- -------                                                       -------- ------- -------
     0       0           NUMBER OF PLANTS > 100 TONS PER YEAR                0      0      1
  54.0     0.0           TOTAL COUNTY POINT SOURCE EMISSIONS (TONS/YR)     59.0    6.0  118.0
```

Figure 5-50 AFS County Point Source Summary Report

5.11.2   Output Selection Options

You may select the output destination of your report on The Report Destination screen as shown in Figure 5-51. The options are as follows:

!   Generate a printed report. This option generates the JCL to produce a printed report.

!   Generate a workfile. This option generates a permanent workfile which can be printed and used at a later date.

```
DATE  :  09/21/92          AIRS FACILITY SUBSYSTEM                PGM:  AFP010
                             REPORT DESTINATION                   MAP:  AFM0067
================================================================================


REPORT NAME: AFS COUNTY POINT SOURCE SUMMARY          CRITERIA NAME:


                        ENTER X FOR DESIRED OPTION(S)


              CHOOSE AT LEAST ONE OUTPUT

           _  1.  GENERATE A PRINTED REPORT
           _  2.  GENERATE A WORKFILE





  PF3=END   PF4=MAIN MENU   PF5=TERMINATE
```

Figure 5-51 Report 649 Report Destination Screen

Instructions

You must choose at least one type of output destination and you may select two options. Enter an "X" for the desired options. Press <ENTER> when you have made your selection.

If you choose a workfile, you will be required to specify a dataset name for it on the Fixed Report JCL Parameters screen.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the report destination selection screen if you make a mistake in specifying information.

ENTER 'X' TO SELECT AN OUTPUT OPTION.
          You pressed the enter key without marking an option with an X.

REQUESTED FUNCTION KEY NOT ALLOCATED.
          You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, and PF5.

5.11.3   Data Selection Options

You may define the subset of the data you wish to retrieve for the report by using the Select Criteria screen shown in Figure 5-52.
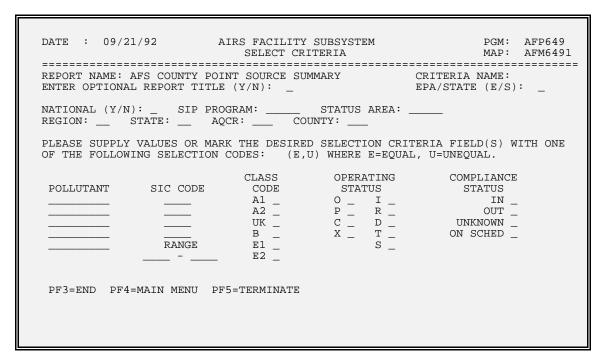
```
   DATE  :  09/21/92         AIRS FACILITY SUBSYSTEM              PGM:   AFP649
                             SELECT CRITERIA                      MAP:   AFM6491
   ================================================================================
   REPORT NAME: AFS COUNTY POINT SOURCE SUMMARY         CRITERIA NAME:
   ENTER OPTIONAL REPORT TITLE (Y/N):  _                EPA/STATE (E/S):  _

   NATIONAL (Y/N): _   SIP PROGRAM: _____   STATUS AREA: _____
   REGION: __   STATE: __   AQCR: ___   COUNTY: ___

   PLEASE SUPPLY VALUES OR MARK THE DESIRED SELECTION CRITERIA FIELD(S) WITH ONE
   OF THE FOLLOWING SELECTION CODES:   (E,U) WHERE E=EQUAL, U=UNEQUAL.

                              CLASS        OPERATING        COMPLIANCE
   POLLUTANT      SIC CODE     CODE          STATUS           STATUS
   _____     ____        A1 _        O _   I _              IN _
   _____     ____        A2 _        P _   R _             OUT _
   _____     ____        UK _        C _   D _         UNKNOWN _
   _____     ____        B  _        X _   T _        ON SCHED _
   _____     RANGE       E1 _              S _
               ____ - ____    E2 _


   PF3=END   PF4=MAIN MENU   PF5=TERMINATE
```

Figure 5-52 Report 649 Select Criteria Screen

There are three groups of selection criteria. The first group consist of the following mandatory fields.

!   Optional Report Title

         You must specify if you want an optional title ("Y") on your report. The optional title will appear as a subtitle under the primary report title. If you request the optional title, you will receive a screen to define the test of the title.

!   EPA/State

         You must define whether you want EPA data or State data to be selected for your report. This definition is needed for the "dual" data elements that appear on the selection screen, such as Classification Code. The file contains two Classification Codes, one defined for EPA use and the other defined for State use.

The second group of selection criteria consists of "geographic" criteria. You must specify if the report is to be a National report. If you choose "Y", you will retrieve data from the United States, its territories, and trust possessions. If you enter an "N" for National, then you must specify further geographical information of Region, State, AQCR, or Program/Status Area. You may further define the geographical area by specifying a County.

The third set of selection criteria consists of the following fields.

! Pollutant

You must enter at least one pollutant to be reported. You can enter up to five values to be included in your report.

! SIC Code (Standard Industrial Code)

You may specify up to four values. If you do not specify any selection, all SIC codes will be included in the report.

! Range

You may enter a range of SIC Codes.

! Class Codes

You may select one or more of the class codes. Valid values are E (Equal) and U (Unequal). An "E" will include all data for the specified class code and a "U" will exclude all data for the specified class code. If you do not specify any selection, all Class codes will be included in the report.

The definitions of the Class Codes are:
   A1   Major sources of pollution, over 100 tons per year.
   A2   Major sources of pollution, less than 100 tons per year.
   UK   Unknown level of pollution.
   B   Sources of pollution which produce nearly 100 tons per year.
   E1   Unregulated sources of pollution for Federal purposes; regulated for state purposes at over 100 tons per year.
   E2   Unregulated sources of pollution for Federal purposes; regulated for state purposes at less than 100 tons per year.

! Operating Status

You may enter a selection for one or more of the operating statuses. Valid values are E (Equal) and U (Unequal). An "E" will include all data for the specified operating status and a "U" will exclude all data for the specified operating status. If you do not specify any selection, all Operating Status codes will be included in the report.

The definitions of the Operating Status codes are:
   O   Operating
   P   Planned
   C   Under construction
   X   Permanently closed
   I   Seasonal operation
   R   NESHAP Renovation
   D   NESHAP Demolition
   T   Temporarily closed
   S   NESHAP Spraying

!   Compliance Status

You may enter a selection for one or more of the compliance statuses. Valid values are E (Equal) and U (Unequal). An "E" will include all data for the specified compliance status and a "U" will exclude all data for the specified compliance status. If you do not specify any selection, all Compliance Status codes will be included in the report.

The definitions of Compliance Status codes are:

In	In compliance
Out	Not in compliance
Unknown	Status is unknown
On Sched	Plant is subject to meeting schedule of compliance and is meeting schedule deadlines.

Instructions

Enter selection criteria into the available fields on the screen, or alter the previously saved criteria displayed on the screen if you wish. Press <ENTER> when you have finished entering or altering the criteria.

Refer to the AFS Data Dictionary and the AIRS User's Guide Codes And Values for the valid values to use for selection criteria.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the data selection option screen if you make a mistake in specifying information.

CONDITION MUST BE 'E', 'U', OR BLANK.
You entered an invalid value for Class Code selection condition, Operating Status selection condition, or Compliance Status selection condition.

DO NOT USE BOTH 'E' AND 'U' ON THE SAME ELEMENT.
You selected "E" (equal) for one selection and "U" (unequal) for another selection in the elements of Class Code selection condition, Operating Status selection condition, or Compliance Status selection condition.

ENTER A NUMERIC RANGE VALUE.
You entered at least one alphabetic character in the SIC Code Range.

ENTER AT LEAST ONE POLLUTANT CODE.
You did not enter any Pollutant code.

ENTER BOTH VALUES FOR A RANGE.
You entered one value for the SIC Code Range.

EPA STATE INDICATOR MUST BE 'E' OR 'S'.
You entered no value or an invalid value for EPA/State indicator.

GEOGRAPHICAL SELECTION CRITERIA NOT ALLOWED FOR NATIONAL REPORT.
You entered Region, State, AQCR, or County for a National report.

IF ALL VALUES ARE TO BE SET TO 'E', LEAVE ALL BLANK.
You entered "E" (equal) for all selections in Class Code selection condition, Operating Status selection condition, or Compliance Status selection condition.

IF ALL VALUES ARE TO BE SET TO 'U', NO DATA WILL BE RETRIEVED.
You entered "U" (unequal) for all selections in Class Code selection condition, Operating Status

selection condition, or Compliance Status selection condition.

INVALID AIR QUALITY CONTROL REGION.
You entered an invalid Air Quality Control Region.

INVALID AIR QUALITY CONTROL REGION FOR STATE SPECIFIED.
You entered an Air Quality Control Region that is not valid for the State specified.

INVALID CITY CODE FOR AQCR SPECIFIED.
The City code you entered is not valid for the AQCR you specified.

INVALID COUNTY CODE FOR AQCR SPECIFIED.
You entered a County code that is not included in the Air Quality Control Region specified.

INVALID COUNTY FOR STATE SPECIFIED.
You entered an invalid County code.

INVALID POLLUTANT.
You entered an invalid Pollutant code.

INVALID PRIMARY INDUSTRIAL CLASSIFICATION CODE.
You entered an invalid SIC Code.

INVALID REGION CODE.
You entered an invalid Region code.

INVALID STATE.
You entered an invalid State code or State abbreviation.

INVALID STATE FOR REGION SPECIFIED.
The state you entered is not valid for the region you specified.

MINIMUM VALUE MUST BE LESS THAN MAXIMUM.
You entered a minimum value that is greater than the maximum value specified.

PLEASE DO NOT ENTER BOTH PGM/STATUS AREA AND AQCR.
You entered both Air Quality Control Region code and Program and Status Area codes.

PLEASE DO NOT ENTER BOTH PGM/STATUS AREA AND REGION.
You entered both Region code and Program and Status Area codes.

PLEASE ENTER A VALID PROGRAM/STATUS AREA.
You entered an invalid SIP Program or Status Area code.

PLEASE ENTER A VALID STATE AND PROGRAM/STATUS AREA.
You entered a value for either State or Program/Status Area and left the other blank.

PLEASE ENTER A VALID STATE, COUNTY AND PROGRAM/STATUS AREA.
You entered a value for at least one of State, County, or Program/Status Area and left at least one blank.

PLEASE ENTER A VALID STATE, COUNTY, CITY AND PROGRAM/STATUS AREA.
You entered a value for at least one of State, County, City, or Program/Status Area and left at least one blank.

REGN, STTE, AQCR OR PGM/STATUS AREA REQ'D IF NOT A NATIONAL REPORT.
You selected 'N' (No) for National report and did not specify Region, State, AQCR, or Program/Status Area.

REQUESTED FUNCTION KEY NOT ALLOCATED.
> You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, and PF5.

STATE CODE REQUIRED IF COUNTY CODE IS SPECIFIED.
> You entered a County code without entering a State code.

STATE CODE REQUIRED IF CITY CODE IS SPECIFIED.
> You entered a City code without entering a State code.

VALUE MUST BE 'Y' OR 'N'.
> You entered no value or an invalid value for Optional Report Title or National report.

5.11.4   Optional Report Title

This screen allows you to customize your report by providing a sub-title on each report. This title will appear directly under the primary report title. This optional title can be 50 characters in length. You will receive this screen if you answer "Y" (Yes) to the Optional Report Title query on the Select Criteria screen.

The Optional Report Title screen is shown in Figure 5-53.

```
 DATE  :  09/24/92          AIRS FACILITY SUBSYSTEM              PGM:  AFP649
                             OPTIONAL REPORT TITLE                MAP:  AFM0064
 ==============================================================================

 REPORT NAME:  AFS COUNTY POINT SOURCE SUMMARY          CRITERIA NAME:


 REPORT TITLE: _____









   PF3=END   PF4=MAIN MENU   PF5=TERMINATE   PF6=PAGE UP
```

Figure 5-53 Report 649 Optional Report Title Screen

Instructions

Type the text of your optional title and press <ENTER>. If you selected this screen by accident or changed your mind after you selected it, and don't want an optional title on your report, you may leave the field blank and press <ENTER>.

Error Messages

The error message listed below is displayed at the top of the data selection screen if you make a mistake in specifying information.

REQUESTED FUNCTION KEY NOT ALLOCATED.
        You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, PF5, and PF6.

5.11.5   Workfile Description

One header (or leading record) is created for the file. This record displays the data that is created for the file. The following is a description of the data record.

FIRST BYTE	FIELD SIZE	FIELD TYPE	FIELD NAME	REMARKS (AFS ACRONYM)
1	2	A	State Code	STTE
3	3	A	County Code	CNTY
6	5	A	CDS Plant ID	PCDS
11	4	A	NEDS Plant ID	PNED
15	34	A	Plant Name	PNME
49	30	A	Plant Street Address	STRT
79	24	A	Plant City Name	CYNM
103	9	A	Zip Code	ZIPC
112	4	A	Standard Industrial Classification Code	SIC1
116	3	A	AQCR	AQCR
119	2	N	UTM Zone	UTZ1
121	3.1	N	UTM Horizontal Coordinate	UTH1
125	4.1	N	UTM Vertical Coordinate	UTV1
130	5	N	Count of Points	
135	2	A	Year of Emissions Inventory	YINV
137	6.1	N	Estimated Emissions 1	EES1
144	6.1	N	Estimated Emissions 2	EES1
151	6.1	N	Estimated Emissions 3	EES1
158	6.1	N	Estimated Emissions 4	EES1
165	6.1	N	Estimated Emissions 5	EES1
172	9	A	Pollutant Code 1	PLL1
181	9	A	Pollutant Code 2	PLL1
190	9	A	Pollutant Code 3	PLL1
199	9	A	Pollutant Code 4	PLL1
208	9	A	Pollutant Code 5	PLL1

5.12   Report 650 - AFS Emission By SCC

5.12.1 Description

The AFS Emission by SCC report summarizes, by SCC, pollutant emissions within a geographical area for plants with user-specified source classifications, operating statuses or compliance statuses. It summarizes all data by SCC and provides subtotals for the three higher levels of the SCC code. The report displays each source category, the number of records included for the source category, the consumption (where applicable), and the emissions for the selected pollutant(s). A report total is given for the number of records and total of each selected pollutant.

You may customize this report by:

!   Generating the report to the printer or to a workfile or both.

!   Specifying selection criteria for data fields.

!   Specifying the level of summarization.

A sample of the report is shown in Figure 5-54.

```
DATE : 10/01/92                          AFS EMISSIONS BY SCC
   PGM: AFP650
===========================================================================================
=========================== YEAR OF EMIS INV: N/A   REGION: 04   STATE: 37   COUNTY: 111 MC DOWELL CO

                                                                         VOC        SO2        CO
PT       NO2                                                          ---------  ---------  ---------
------   --------
1 02 002 04  FOR   2 RECORDS WITH   7476 Tons Burned
Spreader Stoker
      53                                                                  0         27         19

1 02 002 06  FOR   1 RECORDS WITH   3751 Tons Burned
Underfeed Stoker
      18                                                                  2         58         21

1 02 002     FOR   3 RECORDS
      71
INDUSTRIAL BOILER - SUBBITUMINOUS COAL
       0                                                                  2         85         40

1 02 004 01  FOR   1 RECORDS WITH    307 1000 Gallons Burned
Grade 6 Oil
       8                                                                  0         46          1

1 02 004 04  FOR   1 RECORDS WITH    261 1000 Gallons Burned
Grade 5 Oil
       7                                                                  0         31          1

1 02 004     FOR   2 RECORDS
      15
INDUSTRIAL BOILER - RESIDUAL OIL
       0                                                                  0         77          2

1 02 009 03  FOR   1 RECORDS WITH  72746 Tons Burned
WOOD-FIRED BOILER (> 50,000 LB STEAM)
     102                                                                 51          5        145

1 02 009 06  FOR   3 RECORDS WITH  19394 Tons Burned
Wood-Fired Boiler ( < 50,000 LB Steam)
       7                                                                 13          1         38
```

Figure 5-54 AFS Emission by SCC Report

5.12.2   Output Selection Options

You may select the output destination of your report on The Report Destination screen as shown in Figure 5-55. The options are as follows:

!   Generate a printed report. This option generates the JCL to produce a printed report.

!   Generate a workfile. This option generates a permanent workfile which can be printed and used at a later date.

```
  DATE  :  09/28/92          AIRS FACILITY SUBSYSTEM              PGM:  AFP010
                              REPORT DESTINATION                  MAP:  AFM0067
  ==============================================================================


  REPORT NAME: AFS EMISSION BY SCC                        CRITERIA NAME:


                          ENTER X FOR DESIRED OPTION(S)


                 CHOOSE AT LEAST ONE OUTPUT

             _   1.   GENERATE A PRINTED REPORT
             _   2.   GENERATE A WORKFILE






   PF3=END   PF4=MAIN MENU   PF5=TERMINATE
```

Figure 5-55 Report 650 Report Destination Screen

Instructions

You must choose at least one type of output destination and you may select two options. Enter an "X" for the desired options. Press <ENTER> when you have made your selection.

If you choose a workfile, you will be required to specify a dataset name for it on the Fixed Report JCL Parameters screen.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the selection output screen if you make a mistake in specifying information.

ENTER 'X' TO SELECT AN OUTPUT OPTION.
         You pressed the enter key without marking an option with an X or marked the option with a non-X character.

REQUESTED FUNCTION KEY NOT ALLOCATED.
         You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, and PF5.

5.12.3   Data Selection Options

You may define the subset of the data you wish to retrieve for the report by using the Select Criteria screen shown in Figure 5-56.
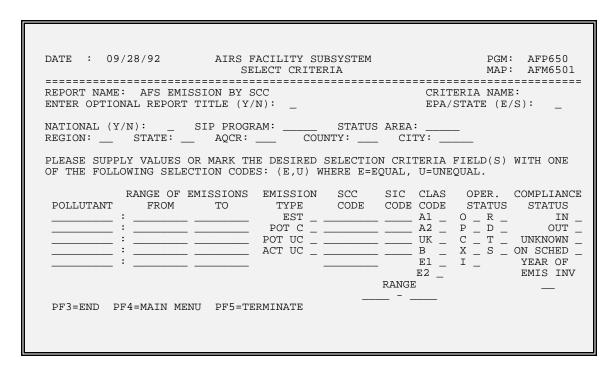
```
 DATE  :  09/28/92        AIRS FACILITY SUBSYSTEM            PGM:  AFP650
                              SELECT CRITERIA                MAP:  AFM6501
 ================================================================================
 REPORT NAME:  AFS EMISSION BY SCC                    CRITERIA NAME:
 ENTER OPTIONAL REPORT TITLE (Y/N):  _                EPA/STATE (E/S):   _

 NATIONAL (Y/N):   _    SIP PROGRAM: _____    STATUS AREA: _____
 REGION: __    STATE: __    AQCR: ___    COUNTY: ___    CITY: _____

 PLEASE SUPPLY VALUES OR MARK THE DESIRED SELECTION CRITERIA FIELD(S) WITH ONE
 OF THE FOLLOWING SELECTION CODES: (E,U) WHERE E=EQUAL, U=UNEQUAL.

              RANGE OF EMISSIONS  EMISSION    SCC     SIC  CLAS    OPER.   COMPLIANCE
  POLLUTANT     FROM       TO       TYPE      CODE     CODE CODE   STATUS   STATUS
 _____ : _____ _____          EST _ _____ ____ A1 _  O _ R _      IN _
 _____ : _____ _____      POT C _ _____ ____ A2 _  P _ D _     OUT _
 _____ : _____ _____      POT UC _ _____ ____ UK _  C _ T _ UNKNOWN _
 _____ : _____ _____      ACT UC _ _____ ____ B  _  X _ S _ ON SCHED _
 _____ : _____ _____                _____      E1 _  I _      YEAR OF
                                                             E2 _           EMIS INV
                                                      RANGE                   __
                                                   ____ - ____

  PF3=END   PF4=MAIN MENU   PF5=TERMINATE
```

Figure 5-56 Report 650 Report Destination Screen

There are three groups of selection criteria. The first group consists of the following mandatory fields.

! Optional Report Title

You must specify if you want an optional title ("Y") on your report. The optional title will appear as a subtitle under the primary report title. If you request the optional title, you will receive a screen to define the text of the title.

! EPA/State

You must define whether you want EPA data or State data to be selected for your report. This definition is needed for the "dual" data elements that appear on the selection screen, such as Classification Code. The file contains two Classification Codes, one defined for EPA use and the other defined for State use.

The second group of selection criteria consists of "geographic" criteria. You must specify if the report is to be a National report. If you choose "Y", you will retrieve data from the United States, its territories, and trust possessions. If you enter an "N" for National, then you must specify further geographical information of Region, State, AQCR, or Program/Status Area. You may further define the geographical area by specifying a County or City.

The third set of selection criteria consists of the following fields.

! Pollutant

This is a required field. You may enter up to five pollutants to be reported.

! Range of Emission Levels

You may specify a range of emission levels. If you enter a beginning range, you must enter an ending range. Valid values are 0.000 to 999999.999. If you do not enter a range, the report will include all emission levels.

! Emission Type

This is a mandatory field. Enter a selection for one emission type. Valid values are E (equal) and blank. An "E" will include all data for the specified emission type.

The Emission Types are:
Est	Estimated emissions
Pot C	Potential controlled emissions
Pot Unc	Potential uncontrolled emissions
Act Unc	Actual uncontrolled emissions

! SCC Code (Source Category Code)

You may specify up to five values. If you do not specify any selection, all SCC Codes will be included in the report.

! SIC Code (Standard Industrial Code)

You may specify up to four values. If you do not specify any selection, all SIC Codes will be included in the report.

! Range

You may enter a range of SIC Codes.

! Classification Code

You may select one or more classification codes. Valid values are E (equal) and U (unequal). An "E" will include all data for the specified classification code and a "U" will exclude all data for the specified classification code. If you do not specify any selection, all classification codes will be included in the report.

The definitions of the Classification Codes are:
A1	Major sources of pollution, over 100 tons per year.
A2	Major sources of pollution, less than 100 tons per year.
UK	Unknown level of pollution.
B	Sources of pollution which produce nearly 100 tons per ear.
E1	Unregulated sources of pollution for Federal purposes; regulated for state purposes at over 100 tons per year.
E2	Unregulated sources of pollution for Federal purposes; regulated for state purposes at less than 100 tons per year.

! Operating Status

You may enter a selection for one or more of the operating statuses. Valid values are E (equal) and U (unequal). An "E" will include all data for the specified operating status and a "U" will exclude all data for the specified status. If you do not specify any selection, all Operating Status codes will be included in the report.

The definition of the Operating status codes are:
O	Operating

P	Planned
C	Under construction
X	Permanently closed
I	Seasonal operation
R	NESHAP Renovation
D	NESHAP Demolition
T	Temporary closed
S	NESHAP Spraying

!   Compliance Status

You may enter a selection for one or more of the compliance statuses. Valid values are E (equal) and U (unequal). An "E" will include all data for the specified compliance statuses and a "U" will exclude all data for the specified compliance statuses. If you do not specify any selection, all Compliance Status codes will be included in the report.

The definitions of Compliance Status codes are:

In	In compliance
Out	Not in compliance
Unknown	Status is unknown
On Sched	Plant is subject to meeting schedule of compliance and is meeting schedule deadlines.

!   Year of Emission Inventory

You may enter a year for which to report plant emissions inventory.

Instructions

Enter selection criteria into the available fields on the screen, or alter the previously saved criteria displayed on the screen if you wish. Press <ENTER> when you have finished entering or altering the criteria.

Refer to the AFS Data Dictionary and the AIRS User's Guide Codes And Values for the valid values to use for selection criteria.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the data selection option screen if you make a mistake in specifying information.

CONDITION MUST BE 'E', 'U', OR BLANK.
You entered an invalid value for Class Code selection condition, Operating Status selection condition, or Compliance Status selection condition.

DO NOT USE BOTH 'E' AND 'U' ON THE SAME ELEMENT.
You selected "E" (equal) for one selection and "U" (unequal) for another selection in the elements of Class Code selection condition, Operating Status selection condition, or Compliance Status selection condition.

ENTER A NUMERIC RANGE VALUE.
You entered at least one alphabetic character in the SIC Code range or the Range of Emissions.

ENTER A POLLUTANT CODE FOR THE POLLUTANT RANGE ENTERED.
You entered a range for a Pollutant but left the Pollutant blank.

ENTER A SOURCE CLASS CODE OF 1, 3, 6, OR 8 CHARACTERS.
You entered a partial value for Source Class code.

ENTER AT LEAST ONE POLLUTANT CODE.
You did not enter a Pollutant code.

ENTER BOTH VALUES FOR A RANGE.
You entered one value for the SIC Code Range or the Range of Emissions.

ENTER 'E' OR BLANK FOR EMISSIONS TYPE.
You entered a value other than "E" or blank for Emissions Type.

EPA STATE INDICATOR MUST BE 'E' OR 'S'.
You entered no value or an invalid value for EPA/State indicator.

GEOGRAPHICAL SELECTION CRITERIA NOT ALLOWED FOR NATIONAL REPORT.
You entered Region, State, AQCR, or County for a National report.

IF ALL VALUES ARE TO BE SET TO 'E', LEAVE ALL BLANK.
You entered "E" (equal) for all selections in Class Code selection condition, Operating Status selection condition, or Compliance Status selection condition.

IF ALL VALUES ARE TO BE SET TO 'U', NO DATA WILL BE RETRIEVED.
You entered "U" (unequal) for all selections in Class Code selection condition, Operating Status selection condition, or Compliance Status selection condition.

INVALID ARCHIVE YEAR.
You entered an invalid value for the Year of Emission Inventory.

INVALID AIR QUALITY CONTROL REGION.
You entered an invalid Air Quality Control Region.

INVALID AIR QUALITY CONTROL REGION FOR STATE SPECIFIED.
You entered an Air Quality Control Region that is not valid for the state specified.

INVALID CITY CODE FOR AQCR SPECIFIED.
You entered a City code that is not included in the Air Quality Control Region specified.

INVALID CITY FOR STATE SPECIFIED.
You entered a City code that is not included in the State specified.

INVALID COUNTY CODE FOR AQCR SPECIFIED.
You entered a County code that is not included in the Air Quality Control Region specified.

INVALID COUNTY FOR STATE SPECIFIED.
You entered an invalid County code.

INVALID POLLUTANT.
You entered an invalid Pollutant code.

INVALID PRIMARY INDUSTRIAL CLASSIFICATION CODE.
You entered an invalid SIC Code.

INVALID REGION CODE.
You entered an invalid Region code.

INVALID SOURCE CLASSIFICATION CODE.
You entered an invalid SCC Code.

INVALID STATE.
You entered an invalid State code or State abbreviation.

INVALID STATE FOR REGION SPECIFIED.
You entered a State code or State abbreviation that is not included in the Region specified.

MINIMUM VALUE MUST BE LESS THAN MAXIMUM.
You entered a minimum value that is greater than the maximum value specified.

PLEASE DO NOT ENTER BOTH PGM/STATUS AREA AND AQCR.
You entered both Air Quality Control Region code and Program and Status Area codes.

PLEASE DO NOT ENTER BOTH PGM/STATUS AREA AND REGION.
You entered both Region code and Program and Status Area codes.

PLEASE ENTER A VALID PROGRAM/STATUS AREA.
You entered an invalid SIP Program or Status Area code.

PLEASE ENTER A VALID STATE AND PROGRAM/STATUS AREA.
You entered a value for either State or Program/Status Area and left the other blank.

PLEASE ENTER A VALID STATE, COUNTY AND PROGRAM/STATUS AREA.
You entered a value for at least one of State, County, or Program/Status Area and left at least one blank.

PLEASE ENTER A VALID STATE, COUNTY, CITY, AND PROGRAM/STATUS AREA.
You entered a value for at least one of State, County, City or Program/Status Area and left at least one blank.

REGN, STTE, AQCR OR PGM/STATUS AREA REQ'D IF NOT A NATIONAL REPORT.
You selected 'N' (No) for National Report and did not specify Region, State, AQCR, or Program/Status Area.

REQUESTED FUNCTION KEY NOT ALLOCATED.
You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, and PF5.

SELECT ONE EMISSIONS TYPE WITH 'E'.
> You selected more than one Emissions Type or left all Emissions Types blank.

STATE CODE REQUIRED IF CITY CODE IS SPECIFIED.
> You entered a City code without entering a State code.

STATE CODE REQUIRED IF COUNTY CODE IS SPECIFIED.
> You entered a County code without entering a State code.

VALUE MUST BE 'Y' OR 'N'.
> You entered no value or an invalid value for Optional Report Title or National report.

5.12.4 Summary Level Options

You must specify a data level on which to summarize the data on your report. The levels are:

- ! National
- ! Region
- ! State
- ! AQCR
- ! County

The Summary Level screen is shown in Figure 5-57.

```
DATE  :  09/28/92         AIRS FACILITY SUBSYSTEM              PGM:  AFP650
                              SORT CRITERIA                     MAP:  AFM6502
================================================================================
REPORT NAME:  AFS EMISSION BY SCC                     CRITERIA NAME:


  1 NATIONAL                  5 COUNTY

  2 REGION

  3 STATE

  4 AQCR


        ENTER THE NUMBER OF THE LEVEL OF SUMMARY DESIRED:
                              __



 PF3=END   PF4=MAIN MENU   PF5=TERMINATE   PF6=PAGE UP
```

Figure 5-57 Report 650 Summary Level Screen

Instructions

Choose a summary level for your report and press <ENTER>.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the data selection option screen if you make a mistake in specifying information.

ENTER A VALUE FOR THE LEVEL OF SUMMARY.
> You did not select a Summary Level.

REQUESTED FUNCTION KEY NOT ALLOCATED.
> You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, PF5, and PF6.

VALUE MUST BE IN THE RANGE OF 1 TO 5.
You selected an invalid Summary Level.

5.12.5   Optional Report Title

This screen allows you to customize your report by providing a sub-title on each report. This title will appear directly under the primary report title. This optional title can be 50 characters in length. You will receive this screen if you answer "Y" (Yes) to the Optional Report Title query on the Select Criteria screen.

The Optional Report Title screen is shown in Figure 5-58.

```
 DATE  :  09/28/92          AIRS FACILITY SUBSYSTEM              PGM:  AFP650
                             OPTIONAL REPORT TITLE               MAP:  AFM0064
 ==============================================================================

 REPORT NAME:  AFS EMISSION BY SCC                      CRITERIA NAME:


 REPORT TITLE: _____








    PF3=END   PF4=MAIN MENU   PF5=TERMINATE   PF6=PAGE UP
```

Figure 5-58 Report 650 Optional Report Title Screen

Instructions

Type the text of your optional title and press <ENTER>. If you selected this screen by accident or changed your mind after you selected it, and don't want an optional title on your report, you may leave the field blank and press <ENTER>.

Error Messages

The error message listed below is displayed at the top of the optional report title screen if you make a mistake in specifying information.

REQUESTED FUNCTION KEY NOT ALLOCATED.
    You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, PF5, and PF6.

5.12.6 Workfile Description

One header (or leading record) is created for the file. This record displays the selection criteria that you created for the file. The following is a description of the data record.

FIRST BYTE	FIELD SIZE	FIELD TYPE	FIELD NAME	REMARKS (AFS ACRONYM)
1	2	A	Region	REGN
3	2	A	State Code	STTE
5	3	A	County Code	CNTY
8	4	A	Year of Inventory	YINV
12	8	A	Source Classification Code	SCC8
20	23	A	Optional Fuel Process Rate Units	FPRU
43	9	N	Annual Fuel Process Rate	FPRT
52	10	A	Amount of Pollutants #1	
62	10	A	Amount of Pollutants #2	
72	10	A	Amount of Pollutants #3	
82	10	A	Amount of Pollutants #4	
92	10	A	Amount of Pollutants #5	
102	9	A	Pollutant Code #1	PLL4
111	9	A	Pollutant Code #2	PLL4
120	9	A	Pollutant Code #3	PLL4
129	9	A	Pollutant Code #4	PLL4
138	9	A	Pollutant Code #5	PLL4

5.13   Report 651 - Data Completeness Reports

5.13.1   Description

National Air Data Branch (NADB) develops a quarterly "Black Box" document for dissemination to users of AFS, including EPA Regions and State agencies. This document identifies quality assurance and other attributes of the data stored in AFS in order to notify States and Regions about areas of interest and concern relative to their AFS data.

The Data Completeness Reports provides you with the ability to easily run your own Black Box type reports in AFS. This tool allows you to assess the status of your data relative to the measurements used in the Black Box document prior to the development of the quarterly NADB/EIB version. Consequently, you can identify data deficiencies and repair the data prior to the quarterly report, thus increasing the accuracy and currency of your AFS data.

The Data Completeness Reports are composed of eight individual reports:

> Plant Year of Distribution
> Largest Emission Plants for Criteria Pollutants
> Summary - Criteria Pollutant Emission Plants
> Large Emission Plants - Pre 19XX Year of Record
> Summary - Pre 19XX Year of Record Emission Plants
> Largest Emission Plants With Incomplete Address/Coordinate Data
> Summary - Emission Plants With Incomplete Address/Coordinate Data
> Plants That Appear to Need Merging

Because of security considerations, confidential data, state private data, archive data, state private plants, and draft SIP inventory plants are not selected for the report requests.

The following data are used in processing the Data Completeness Reports and workfiles.

ACRONYM	DESCRIPTION
REGN	Region Code
STTE	State FIPS Code
STAB	State Post Office Code
CNTY	County Code
PCDS	CDS Plant ID
PNED	NEDS Plant ID
PNME	Plant Name
STRT	Plant Street Address
CYNM	Plant City
LON1	Longitude Coordinate
LAT1	Latitude Coordinate
OPST	Operating Status
YINV	Year of Inventory (aka Year of Record)
PLL1	Pollutant Code
EES1	Estimated Emissions
UES1	Estimated Emissions Units

The criteria pollutants that are used for report and workfile selection are:

CO   Carbon Monoxide
NO2   Nitrogen Dioxide
PB   Lead
PM10   Particulate Matter
PT   Total Particulate Matter
SO2   Sulfur Dioxide
VOC   Volatile Organic Compounds

You may customize your reports by:

! Generating the report to the printer or to a workfile or both.

! Specifying the selection criteria for the data fields.

5.13.2   Report Destination Options

You may select the output destination of your report on the Report Destination screen as shown in Figure 5-59. The options are as follows:

!   Generate a printed report. This option generates the JCL to produce a printed report. The reports selected will be produced as one output job.

!   Generate a workfile. This option generates a permanent workfile which can be printed and used at a later date.

```
DATE  :  09/21/92          AIRS FACILITY SUBSYSTEM                PGM:  AFP010
                            REPORT DESTINATION                    MAP:  AFM0067
================================================================================


REPORT NAME: AFS DATA COMPLETENESS REPORTS               CRITERIA NAME:


                        ENTER X FOR DESIRED OPTION(S)


            CHOOSE AT LEAST ONE OUTPUT

        _  1.   GENERATE A PRINTED REPORT
        _  2.   GENERATE A WORKFILE




 PF3=END   PF4=MAIN MENU   PF5=TERMINATE
```

Figure 5-59 Report 651 Report Destination Selection Screen

Instructions

You must choose at least one type of output destination and you may select both options. The screen requires that an "X" be entered for the desired options. When selection has been made, press <ENTER>.

If you choose a workfile, you will be required to specify a dataset name for it on the Fixed Report JCL Parameters screen.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the screen if you make a mistake in specifying information.

ENTER 'X' TO SELECT AN OUTPUT OPTION.
> You pressed the enter key without marking an option with an X or marked an option with a non-X character.

REQUESTED FUNCTION KEY NOT ALLOCATED.
> You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, and PF5.

5.13.3   Selection Options

You must specify a geographic selection for your reports. You can select any State/County, State, Region, or National (all states and all regions) for your retrievals. You must specify "Y" (Yes) or "N" (No) for the National option. If you select "N", you must provide further geographic selection (region, state, state/county).

You have the option to select up to eight reports. One report, any combination of reports, or all of them can be selected in one run. If there is a need to submit multiple reports with differing geographic criteria, you must execute the selections multiple times by looping through the Fixed Format Report Menu and 651-Data Completeness Reports.

Report Selection screens and report descriptions are detailed in the following subsections.

The Select Criteria Screen is shown in Figure 5-60.

```
DATE  :  09/21/92          AIRS FACILITY SUBSYSTEM             PGM:  AFP651
                              SELECT CRITERIA                   MAP:  AFM6511
===============================================================================
REPORT NAME:  AFS DATA COMPLETENESS REPORTS           CRITERIA NAME:

   NATIONAL (Y/N):  _    REGION: __   STATE: __   COUNTY: ___

PLEASE CHOOSE AT LEAST ONE REPORT --- ENTER X FOR DESIRED OPTION(S)

 _ 1. PLANT YEAR OF RECORD DISTRIBUTION - EMISSIONS AND MERGED PLANTS
 _ 2. LARGEST EMISSION PLANTS FOR CRITERIA POLLUTANTS
 _ 3. SUMMARY - CRITERIA POLLUTANT EMISSION PLANTS
 _ 4. LARGE EMISSION PLANTS - PRE 19XX YEAR OF RECORD
 _ 5. SUMMARY - PRE 19XX YEAR OF RECORD EMISSION PLANTS
 _ 6. LARGEST EMISSION PLANTS WITH INCOMPLETE ADDRESS/COORDINATE DATA
 _ 7. SUMMARY - EMISSION PLANTS WITH INCOMPLETE ADDRESS/COORDINATE DATA
 _ 8. PLANTS THAT APPEAR TO NEED MERGING
 _ 9. ALL OF THE REPORTS




 PF3=END  PF4=MAIN MENU  PF5=TERMINATE
```

Figure 5-60 Report 651 Select Criteria Screen

Instructions

Enter selection criteria into the available fields on the screen, or alter the previously saved criteria displayed on the screen if you wish. Press <ENTER> when you have finished entering or altering the criteria.

Refer to the AFS Data Dictionary and the AIRS User's Guide Codes And Values for the valid values to use for selection criteria.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the screen if you make a mistake in specifying information.

AT LEAST ONE REPORT MUST BE SELECTED WITH AN "X".
> You did not select a report with an "X".

GEOGRAPHICAL SELECTION CRITERIA NOT ALLOWED FOR NATIONAL REPORT.
> You specified a "Y" for National and specified other geographical selections. If you select a National report, cannot select any other geographical criteria.

INVALID STATE.
> You entered an invalid state abbreviation for State.

NO PLANTS ON FILE FOR REGION/STATE/COUNTY.
> There are not plants on the file for the geographic selection. You might have specified an invalid geographic selection combination, such as incorrect county code for a state.

REGION REQUIRED IF NOT A NATIONAL REPORT.
> You specified a "N" for National and failed to provide other geographical selection criteria.

REQUESTED FUNCTION KEY NOT ALLOCATED.
> You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, and PF5.

VALUE MUST BE 'Y' OR 'N'.
> You entered no value or an invalid value for National.

YOU MUST SELECT REPORTS WITH AN 'X'.
> You selected a report with a non-"X" character.

5.13.4   Report 1: Plant Year of Record Distribution - Emissions and Merged Plants

Report Description

This report is produced in two parts which are identical in format. Part I details emission plant information and Part II details compliance (merged) plant information.

Each report part presents plant counts and percentages by year of record. Information is presented for the most recent 10 years of record, for all years of record prior to the 10th year and a total of all years.

The formation of the report will be based on the geographic selection that you made on the Report Criteria screens. The following chart details the data representation for each selection.

GEOGRAPHIC SELECTION	REPORT/WORKFILE REPRESENTATION				
	State/County Detail	State Detail	State Summary	Region Summary	National Summary
State/County	X				
State	X		X		
Region		X		X	
National		X		X	X

The report information is presented in ascending sort order by region code, state post office code, and county code.

A sample of the report is shown in Figures 5-61A and 5-61B.

```
DATE     09/22/92                      PLANT YEAR OF RECORD DISTRIBUTION
PROGRAM: AFP65111                          PART 1 - EMISSIONS PLANTS
PAGE         1
REPORT:  AFS65101
```

REGN	STATE	CNTY		TOTAL	PRE 1982	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982
04	NC	001	COUNT	6	0	0	0	0	5	1	0	0	0	0	0
			%		0.0	0.0	0.0	0.0	83.3	16.6	0.0	0.0	0.0	0.0	0.0
		003	COUNT	4	0	0	0	0	3	1	0	0	0	0	0
			%		0.0	0.0	0.0	0.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0
		009	COUNT	2	0	0	0	0	1	1	0	0	0	0	0
			%		0.0	0.0	0.0	0.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0
		013	COUNT	4	0	0	0	0	3	1	0	0	0	0	0
			%		0.0	0.0	0.0	0.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0
		015	COUNT	2	0	0	0	0	2	0	0	0	0	0	0
			%		0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0
		017	COUNT	4	1	0	0	0	3	0	0	0	0	0	0
			%		25.0	0.0	0.0	0.0	75.0	0.0	0.0	0.0	0.0	0.0	0.0
		019	COUNT	3	0	0	0	0	0	3	0	0	0	0	0
			%		0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0
		021	COUNT	6	0	0	0	0	6	0	0	0	0	0	0
			%		0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0
		023	COUNT	13	0	0	0	0	11	2	0	0	0	0	0

Figure 5-61A Plant Year of Record Distribution Report
Part I - Emissions Plants

```
DATE    09/22/92                    PLANT YEAR OF RECORD DISTRIBUTION
PROGRAM: AFP65111
PAGE        6                            PART II - MERGED PLANTS
REPORT:  AFS65101
```

PRE REGN	STATE	CNTY		1982 TOTAL	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	PRE 1982
04	NC	001	COUNT	5	0	0	0	4	1	0	0	0	0	0	0
			%		0.0	0.0	0.0	80.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
		003	COUNT	4	0	0	0	3	1	0	0	0	0	0	0
			%		0.0	0.0	0.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
		009	COUNT	2	0	0	0	1	1	0	0	0	0	0	0
			%		0.0	0.0	0.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0
		013	COUNT	4	0	0	0	3	1	0	0	0	0	0	0
			%		0.0	0.0	0.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
		015	COUNT	2	0	0	0	2	0	0	0	0	0	0	0
			%		0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		017	COUNT	3	0	0	0	3	0	0	0	0	0	0	0
			%		0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		019	COUNT	3	0	0	0	0	3	0	0	0	0	0	0
			%		0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0
		021	COUNT	6	0	0	0	6	0	0	0	0	0	0	0
			%		0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		023	COUNT	13	0	0	0	11	2	0	0	0	0	0	0

Figure 5-61B Plant Year of Record Distribution Report
Part II - Merged Plants

Processing Description

The program selects data for the report/workfile based on the following criteria.

>   Emission plants:

>>   PNED not blank AND
>>   PLL1 equals CO and EES1 greater than or equal to 1000 tons per year OR
>>   PLL1 equals NO2 and EES1 greater than or equal to 100 tons per year OR
>>   PLL1 equals PB and EES1 greater than or equal to 5 tons per year OR
>>   PLL1 equals PM10 and EES1 greater than or equal to 100 tons per year OR
>>   PLL1 equals PT and EES1 greater than or equal to 100 tons per year OR
>>   PLL1 equals SO2 and EES1 greater than or equal to 100 tons per year OR
>>   PLL1 equals VOC and EES1 greater than or equal to 100 tons per year

>   Merged plants:

>>   PNED not blank AND
>>   PCDS not blank AND
>>   OPST equals O or I AND
>>   PNED not blank AND
>>   PLL1 equals CO and EES1 greater than or equal to 1000 tons per year OR
>>   PLL1 equals NO2 and EES1 greater than or equal to 100 tons per year OR
>>   PLL1 equals PB and EES1 greater than or equal to 5 tons per year OR
>>   PLL1 equals PM10 and EES1 greater than or equal to 100 tons per year OR
>>   PLL1 equals PT and EES1 greater than or equal to 100 tons per year OR
>>   PLL1 equals SO2 and EES1 greater than or equal to 100 tons per year OR
>>   PLL1 equals VOC and EES1 greater than or equal to 100 tons per year

The value of the Year of Record (YINV) field of the plant determines the year for which the plant will be counted on the report/workfile. There are twelve "years" set up for the counts -a bucket for each of the most recent 10 years, a bucket for all years prior to the 10th year, and a total bucket.

The determination of the first year (most current year) bucket is calculated from a 02/01/YY through 01/31/YY time period. For example, if you run the report on 1/5/92, then the beginning year is 1991. If you run the report on 2/3/92, then the beginning year is 1992.

A percentage for each year of each detail line is calculated by dividing the total plant count of the detail line for all years by the plant count of the detail line for the specific year. The percentage for each year of the summary lines are calculated in the same manner.

Workfile Description

Two header (or leading records) are created for the file. The first record displays the selection criteria that you created for the file. The second record details the record layout and displays each field format.
The report type field on each data record designates whether the record provides information for emission plants (Report Type = E) or for merged plants (Report Type = M).

The Year Data Group field on each data record occurs 12 times for each record. Each group contains information for each of the reported years. The reported years are the most recent 10 years, a summarization of the years prior to the 10th year reported, and a total of all the reported years.

The Year Code for the Year Data Group is generated by the program for the file. It is 5 characters long and contains a 2 character century code, a 2 character year designation and a 1 character type code. For the most recent ten years groups, the century code is '19', the year designation is the actual calendar year, and the type code is blank. For the 11th year group the century code is '19', the year code is the actual year of the 10th year group and the year type is 'X'. For the 12th year code the value of the 5 character field is 'TOTAL'.

The percentage field for the 12th group (TOTAL) is blank. This field does not contain a valid calculation.

The following is a description of the data record.

FIRST BYTE	FIELD SIZE	FIELD TYPE	FIELD NAME	REMARKS (AFS ACRONYM)
			Sort Group	
1	1	A	Report Type	Value: E=Emissions
				M=Merged
				Sort=Ascending
2	2	A	Region Code	REGN; Sort=Ascending
4	2	A	State Post Office Code	STAB; Sort=Ascending
6	3	A	County Code	CNTY; Sort=Ascending
9	7	A	Special ID	Value=zeros, Sort=Ascending
			Data Group	
23	2	A	Region Code	REGN
25	2	A	State Post Office Code	STAB
27	3	A	County Code	CNTY
			Year Data Group (occurs 12 times)	
30	5	A	Year Code	
35	6	N	Count	
41	3.1	N	Percentage	

5.13.5   Report 2: Largest Emission Plants for Criteria Pollutants

Report Description

The report title is Largest Emission Plants for Pollutant XXXXX where XXXXX is the Pollutant Code for the report. Depending on the selection criteria set that you created, up to seven parts of the report can be produced, one for each criteria pollutant. The plants are ranked on the report for each criteria pollutant report in descending order of emissions level. Plant data displayed are region, state, county, NEDS ID, CDS ID, plant name, plant address, longitude, latitude, year of inventory, and estimated emissions.

A sample of the report is shown in Figure 5-62.

```
 DATE    09/22/92                           LARGEST EMISSION PLANTS FOR POLLUTANT CO
 PROGRAM: AFP65112
 PAGE    1
 REPORT: AFS65102                         PLANT TYPE:   MERGED AND EMISSIONS

        YR  EMISSIONS   NEDS  CDS
 RANK RGN ST CTY   ID    ID    PLANT NAME                          PLANT ADDRESS          LONGITUDE
 LATITUDE  INV TONS/YEAR
 ---- --- -- --- ---- ----- -----  ------------------------------     --------------         ---------

    1  04 NC 019 0013 00013  E I DUPONT DENEMOURS AND CO           SR 1426                 780219
 341915 87   13,332                                                NAVASSA

    2  04 NC 047 0036 00036  FEDERAL PAPER BOARD INC               JOHN RIEGEL ROAD        781245
 342110 87    7,553                                                RIEGELWOOD

    3  04 NC 127 0225 00225  AMERICAN ROCKWOOL SPRGHOPE PLT        U. S. HWY 64 EAST       780551
 355703 87    5,250                                                SPRING HOPE

    4  04 NC 083 0007 00007  CHAMPION,    ROANOKE RAPIDS PLT       ROANOKE AVE             773831
 362847 88    4,866                                                ROANOKE RAPIDS

    5  04 NC 127 0155         TEXFI INC, 400 ENGLISH RD. ROCKY MOUNT  400 ENGLISH RD       775126
 355904 88    4,813                                                ROCKY MOUNT

    6  04 NC 117 0069 00069  WEYERHAEUSER CO                       KEN TROWBRIDGE ROAD     764647
 355136 88    4,477                                                PLYMOUTH

    7  04 NC 087 0159 00159  CHAMPION INT CORP                     CANTON MILL             825023
 353205 88    2,997                                                NOT IN A CITY

    8  04 NC 169 0004 00004  DUKE POWER BELEWS CRK STEAM ST        P O BOX 557             800333
 361657 88    2,185                                                WALNUT COVE

    9  04 NC 119 0626 00626  CHARLOTTE PIPE/FNDRY                  1335 S CLARKSTON ST     805142
 351323 86    1,813                                                CHARLOTTE

   10  04 NC 145 0029 00029  CP&L ROXBORO UNITS 1 2 3 4            DUNAWAY ROAD            790420
 362854 88    1,338                                                ROXBORO
```

Figure 5-62 Largest Emission Plants for Criteria Pollutants Report

Selection Options

You may further define this report's selection criteria. You must select one plant type. The choices are **MERGED** facilities, **EMISSIONS** facilities (which does <u>not</u> include emission facilities that are merged to compliance facilities) and **ALL** facilities (emission and merged facilities). You may specify the number of plants to be selected for each criteria pollutant. The system default is 30 plants per criteria pollutant. If you specify **ALL**, all the plants meeting the geographical selection and plant type selection will be produced for your report/workfile. See Figure 5-63 for an example of the Report Criteria screen for this report.

```
   DATE  :  09/21/92          AIRS FACILITY SUBSYSTEM              PGM:  AFP651
                              REPORT CRITERIA                      MAP:  AFM6512
   =============================================================================
   REPORT NAME:  AFS DATA COMPLETENESS REPORTS            CRITERIA NAME:
     REPORT 2   LARGEST EMISSION PLANTS FOR CRITERIA POLLUTANTS

                  SELECT THE PLANT TYPE FOR YOUR REPORT WITH AN X

                     _ MERGED     _ EMISSIONS      _ ALL

   NUMBER PLANTS TO SELECT FOR CO  : 30_____  (TYPE ALL TO RETRIEVE ALL PLANTS)
   NUMBER PLANTS TO SELECT FOR NO2 : 30_____  (TYPE ALL TO RETRIEVE ALL PLANTS)
   NUMBER PLANTS TO SELECT FOR PB  : 30_____  (TYPE ALL TO RETRIEVE ALL PLANTS)
   NUMBER PLANTS TO SELECT FOR PM10: 30_____  (TYPE ALL TO RETRIEVE ALL PLANTS)
   NUMBER PLANTS TO SELECT FOR PT  : 30_____  (TYPE ALL TO RETRIEVE ALL PLANTS)
   NUMBER PLANTS TO SELECT FOR SO2 : 30_____  (TYPE ALL TO RETRIEVE ALL PLANTS)
   NUMBER PLANTS TO SELECT FOR VOC : 30_____  (TYPE ALL TO RETRIEVE ALL PLANTS)


   PLANTS ARE SELECTED IN DESCENDING ORDER OF ESTIMATED EMISSIONS


    PF3=END  PF4=MAIN MENU  PF5=TERMINATE  PF6=PAGE UP
```

Figure 5-63 Report 651 Report Criteria Screen #1

Instructions

Enter selection criteria into the available fields on the screen, or alter the previously saved criteria displayed on the screen if you wish. Press <ENTER> when you have finished entering or altering the criteria.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the screen if you make a mistake in specifying information.

FIELD MUST BE NUMERIC OR 'ALL'.
        You did not key a numeric value or "ALL" for number of plants for one of the pollutants listed.

MUST BE A POSITIVE VALUE.
> You specified a negative value for the number of plants for one of the pollutants listed. Specify a positive value only.

REQUESTED FUNCTION KEY NOT ALLOCATED.
> You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, PF5, and PF6.

YOU MUST SELECT PLANT TYPE WITH AN 'X'.
> You did not specify a plant type by selecting it with an "X".

Processing Description

You can make several report/workfile selections on the Report Criteria screen.

You must specify the type of plants that are selected. The selection used by the program is:

> For **MERGED** plants selection: PNED not blank <u>AND</u> PCDS not blank

> For **EMISSIONS** plants selection: PNED not blank <u>AND</u> PCDS blank

> For **ALL** plants selection: PNED not blank

You may specify the number of plants to be selected for each criteria pollutant. The system default is 30 plants per criteria pollutant. If you specify **ALL**, all of the plants that meet your plant type selection and geographic selection will be selected for that pollutant. These plants are the "largest" plants determined by the estimated emissions.

The program makes the following selection based on the pollutant code(s) you chose as follows:

> For CO pollutant plants - EES1 must be greater than or equal to 1000 tons per year
> For NO2 pollutant plants - EES1 must be greater than or equal to 100 tons per year
> For PB pollutant plants - EES1 must be greater than or equal to 5 tons per year
> For PM10 pollutant plants - EES1 must be greater than or equal to 100 tons per year
> For PT pollutant plants - EES1 must be greater than or equal to 100 tons per year
> For SO2 pollutant plants - EES1 must be greater than or equal to 100 tons per year
> For VOC pollutant plants - EES1 must be greater than or equal to 100 tons per year

Workfile Description

Two header (or leading records) are created for the file. The first record displays the selection criteria that you created for the file. The second record details the record layout and displays each field format. The following is a description of the data record.

FIRST BYTE	FIELD SIZE	FIELD TYPE	FIELD NAME		REMARKS (AFS ACRONYM)
			Sort Group		
1	5	A	Pollutant Code		PLL1; Sort=Ascending
6	7	A	Estimated Emissions		EES1; Sort=Descending
13	7	A	Special ID		Value=zeros; Sort=Ascending
			Data Group		
23	5	A	Pollutant Code		PLL1
28	4	A	Rank		
32	2	A	Region Code		REGN
34	2	A	State Post Office Code	STAB	
36	3	A	County Code		CNTY
39	4	A	NEDS Plant ID		PNED
43	5	A	CDS Plant ID		PCDS
48	40	A	Plant Name		PNME
88	30	A	Plant Street		STRT
118	30	A	Plant City		CYNM
148	7	N	Longitude		LON1
155	6	N	Latitude		LAT1
161	2	A	Year of Inventory		YINV
163	7	A	Estimated Emissions		EES1

5.13.6   Report 3: Summary - Criteria Pollutant Emission Plants

Report Description

The report is a summary for Report 2, the Largest Emission Plants for Criteria Pollutants report, and provides a count of plants and total emissions value for each criteria pollutant. The emissions field is the sum of the estimated emissions for all criteria pollutants. The information is presented in ascending order by region code, state post office code, and county code.

The formation of the report is based on geographic selection that the you made on the Report Criteria screens. The following chart details the data representation for each selection.

GEOGRAPHIC SELECTION	REPORT/WORKFILE REPRESENTATION				
	State/County Detail	State Detail	State Summary	Region Summary	National Summary
State/County	X				
State	X		X		
Region		X		X	
National		X		X	X

A sample of the report is shown in Figure 5-64.

```
DATE   09/22/92                  SUMMARY - CRITERIA POLLUTANT EMISSION PLANTS
PROGRAM: AFP65113
  PAGE    1                                    POLLUTANT - CO
REPORT:  AFS65103
                                     PLANT TYPE:  MERGED AND EMISSIONS


REGN  STATE  CNTY     PLANT COUNT       EMISSIONS (TONS/YEAR)
----  -----  ----     -----------       ---------------------
04     NC    019           1                    13,332
              047           1                     7,553
              083           1                     4,866
              087           1                     2,997
              117           1                     4,477
              119           1                     1,813
              127           2                    10,063
              145           1                     1,338
              169           1                     2,185
             TOTAL         10                    48,624
```

Figure 5-64 Summary - Criteria Pollutant Emission Report

<u>Selection Options</u>

You may further define this report's selection criteria. You must select one plant type. The choices are
MERGED facilities, **EMISSIONS** facilities (which does <u>not</u> include emission facilities that are merged to
compliance facilities) and **ALL** facilities (emission and merged facilities). You must also specify at least one
pollutant for your report. See Figure 5-65 for an example of the Report Criteria screen for this report.

```
DATE  : 09/21/92          AIRS FACILITY SUBSYSTEM              PGM: AFP651
                             REPORT CRITERIA                    MAP: AFM6513
================================================================================
REPORT NAME: AFS DATA COMPLETENESS REPORTS            CRITERIA NAME:
   REPORT 3   SUMMARY - CRITERIA POLLUTANT EMISSION PLANTS

                   SELECT THE PLANT TYPE FOR YOUR REPORT WITH AN X

                       _ MERGED      _ EMISSIONS      _ ALL

PLEASE CHOOSE AT LEAST ONE POLLUTANT CODE --- ENTER X FOR DESIRED POLLUTANT


         _ CO
         _ NO2
         _ PB
         _ PM10
         _ PT
         _ SO2
         _ VOC
         _ ALL CRITERIA POLLUTANTS

 PF3=END  PF4=MAIN MENU  PF5=TERMINATE  PF6=PAGE UP
```

Figure 5-65 Report 651 Report Criteria Screen #2

Instructions

Enter selection criteria into the available fields on the screen, or alter the previously saved criteria displayed
on the screen if you wish. Press <ENTER> when you have finished entering or altering the criteria.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the screen if you make a
mistake in specifying information.

AT LEAST ONE POLLUTANT MUST BE SELECTED WITH AN 'X'.
        You did not select a pollutant with an "X".

REQUESTED FUNCTION KEY NOT ALLOCATED.
        You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom
        of the screen and are PF3, PF4, PF5, and PF6.

YOU MUST SELECT PLANT TYPE WITH AN 'X'.
        You did not specify a plant type by selecting it with an "X".

YOU MUST SELECT POLLUTANTS(S) WITH AN 'X'.
        You entered a non-"X" character to select a Pollutant Code.

Processing Description

You can make several report/workfile selections on the Report Criteria screen. You must specify the type of plants that are selected. The selection used by the program is:

For **MERGED** plants selection: PNED not blank <u>AND</u> PCDS not blank
For **EMISSIONS** plants selection: PNED not blank <u>AND</u> PCDS blank
For **ALL** plants selection: PNED not blank

The program makes the following selection based on the pollutant code(s) you chose as follows:

For CO pollutant plants - EES1 must be greater than or equal to 1000 tons per year
For NO2 pollutant plants - EES1 must be greater than or equal to 100 tons per year
For PB pollutant plants - EES1 must be greater than or equal to 5 tons per year
For PM10 pollutant plants - EES1 must be greater than or equal to 100 tons per year
For PT pollutant plants - EES1 must be greater than or equal to 100 tons per year
For SO2 pollutant plants - EES1 must be greater than or equal to 100 tons per year
For VOC pollutant plants - EES1 must be greater than or equal to 100 tons per year

Workfile Description

Two header (or leading records) are created for the file. The first record displays the selection criteria that you created for the file. The second record details the record layout and displays each field format. The following is a description of the data record.

FIRST BYTE	FIELD SIZE	FIELD TYPE	FIELD NAME	REMARKS (AFS ACRONYM)
			Sort Group	
1	5	A	Pollutant Code	PLL1; Sort=Ascending
6	2	A	Region Code	REGN; Sort=Ascending
8	2	A	State Post Office Code	STAB; Sort=Ascending
10	3	A	County Code	CNTY; Sort=Ascending
13	7	A	Special ID	Value=zeros, Sort=Ascending
			Data Group	
23	5	A	Pollutant Code	PLL1
28	2	A	Region Code	REGN
30	2	A	State Post Office Code	STAB
32	3	A	County Code	CNTY
35	7	N	Plant Count	
42	15	A	Estimated Emissions	EES1

5.13.7   Report 4: Large Emission Plants - Pre 19XX Year of Record

Report Description

The report title is Large Emission Plants - Pre 19XX Year of Record where 19XX is the Year of Record that was selected for the report criteria. The report displays merged plants that meet the selection criteria. The total of all the emissions of the criteria pollutants for each plant is printed on the report.

Plant data displayed are region, state, county, NEDS ID, CDS ID, plant name, plant address, longitude, latitude, year of inventory, and estimated emissions. The report is in ascending sort order of region code, state post office code, county code and descending order of emissions level.

A sample of the report is shown in Figure 5-66.

```
 DATE    09/22/92                           LARGE EMISSION PLANTS - PRE 1990 YEAR OF RECORD
PROGRAM:  AFP65114
 PAGE       1
REPORT:   AFS65104

          YR   EMISSIONS    NEEDS  CDS
         RGN ST CTY ID      ID     ID    PLANT NAME                              PLANT ADDRESS          LONGITUDE
LATITUDE INV TONS/YEAR      ----   ----  --------------------------------------- --------------------- ---------
------   --- -- --- ----

352228   04 NC 013 0071    00071   TEXASGULF INC.                               NC 306 NORTH           764652
         88      6,187                                                          AURORA

341915   04 NC 019 0013    00013   E I DUPONT DENEMOURS AND CO                  SR 1426                780219
         87     29,540                                                          NAVASSA

352813   04 NC 021 0628    00628   CAROLINA POWER AND LIGHT                     BOX 1551               823227
         88     26,938                                                          NOT IN A CITY

353551   04 NC 035 0073    00073   DUKE POWER MARSHALL PLT                      HWY 150                805753
         88     63,300                                                          TERRELLA CITY

353539   04 NC 037 0063    00063   CP&L CAPE FEAR PLANT- MONCURE                RT 1, BOX 327          790306
         88     14,387                                                          NEW HILL

342110   04 NC 047 0036    00036   FEDERAL PAPER BOARD INC                      JOHN RIEGEL ROAD       781245
         87     16,748                                                          RIEGELWOOD

361449   04 NC 067 0745    00745   R.J. REYNOLDS                                TOBACCOVILLE RD.       802144
         88      6,664                                                          TOBACCOVILLE

360557   04 NC 067 0405    00405   REYNOLDS,R J-GRP 23                          NORTH PATTERSON AVE.   801429
         88      3,219                                                          WINSTON-SALEM

351120   04 NC 071 0039    00039   DUKE POWER CO-ALLEN_PLANT                    SOUTH POINT ROAD       810032
         88     21,438                                                          BELMONT

362847   04 NC 083 0007    00007   CHAMPION,     ROANOKE RAPIDS PLT             ROANOKE AVE            773831
         88     16,818                                                          ROANOKE RAPIDS
```

Figure 5-66 Large Emission Plants - Pre 19XX Year of Record Report

<u>Selection Options</u>

You may further define this report's selection criteria. You may select the plants for the report by the year of record. The screen presents a default year of record of 85 for selection processing. You may modify this selection. You may also modify the number of plants to be selected. The default is 200 facilities. If you specify **ALL**, all the plants meeting the geographical selection and year of record selection will be produced for your report/workfile.

See Figure 5-67 for an example of the Report Criteria screen for this report.

```
 DATE  :  09/21/92          AIRS FACILITY SUBSYSTEM              PGM:  AFP651
                              REPORT CRITERIA                     MAP:  AFM6514
 ==============================================================================
 REPORT NAME:  AFS DATA COMPLETENESS REPORTS            CRITERIA NAME:
    REPORT 4   LARGE EMISSION PLANTS - PRE 19XX YEAR OF RECORD


                   YEAR OF RECORD: 85 (DEFAULT IS 85)

 NUMBER OF PLANTS TO BE SELECTED: 200_____  (TYPE ALL TO RETRIEVE ALL PLANTS)


 PLANTS ARE SELECTED IN DESCENDING ORDER OF TOTAL ESTIMATED EMISSIONS






  PF3=END  PF4=MAIN MENU  PF5=TERMINATE  PF6=PAGE UP
```

Figure 5-67 Report 651 Report Criteria Screen #3

Instructions

Enter selection criteria into the available fields on the screen, or alter the previously saved criteria displayed on the screen if you wish. Press <ENTER> when you have finished entering or altering the criteria.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the screen if you make a mistake in specifying information.

FIELD MUST BE NUMERIC.
        You did not enter a numeric value for the year of record field.

FIELD MUST BE NUMERIC OR 'ALL'.
        The value you entered for the number of plants field was not numeric or the literal "ALL".

MUST BE A POSITIVE VALUE.
        You entered a negative valued for the number of plants field.

REQUESTED FUNCTION KEY NOT ALLOCATED.

You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, PF5, and PF6.

VALUE MUST BE 70 THROUGH 99.
The value you entered for the year of record field was not between 70 and 99.

Processing Description

The program selects data for the report based on the following criteria.

PNED not blank AND
PCDS not blank AND
OPST equals O or I AND
YINV less than 1985 or user input YINV value AND
PLL1 equals CO and EES1 greater than or equal to 1000 tons per year OR
PLL1 equals NO2 and EES1 greater than or equal to 100 tons per year OR
PLL1 equals PB and EES1 greater than or equal to 5 tons per year OR
PLL1 equals PM10 and EES1 greater than or equal to 100 tons per year OR
PLL1 equals PT and EES1 greater than or equal to 100 tons per year OR
PLL1 equals SO2 and EES1 greater than or equal to 100 tons per year OR
PLL1 equals VOC and EES1 greater than or equal to 100 tons per year

You can also make several report/workfile selections on the Report Criteria screen.

You may specify the cutoff year of record for plant selection. If no input is provided, then the report selection defaults to using a year of record of 1985. The processing will select plants with a year of record earlier than the year of record that you specified.

You may specify the number of plants that are selected for the report/workfile. If you specify **ALL**, all of the plants that meet the fixed report criteria and geographic selection will be selected. A specific number of plants may be selected. These plants are the "largest" plants determined by the sum of the estimated emissions for all of the criteria pollutants.

Workfile Description

Two header (or leading records) are created for the file. The first record displays the selection criteria that you created for the file. The second record details the record layout and displays each field format. The following is a description of the data record.

FIRST BYTE	FIELD SIZE	FIELD TYPE	FIELD NAME	REMARKS (AFS ACRONYM)
			Sort Group	
1	7	A	Estimated Emissions	EES1; Sort=Descending
8	2	A	Region Code	REGN; Sort=Ascending
10	2	A	State Post Office Code	STAB; Sort=Ascending
12	3	A	County Code	CNTY; Sort=Ascending
15	7	A	Special ID	Value=zeros; Sort=Ascending
			Data Group	
28	2	A	Region Code	REGN
30	2	A	State Post Office Code	STAB
32	3	A	County Code	CNTY
35	4	A	NEDS Plant ID	PNED
39	5	A	CDS Plant ID	PCDS
44	40	A	Plant Name	PNME
84	30	A	Plant Street	STRT
114	30	A	Plant City	CYNM
144	7	N	Longitude	LON1
151	6	N	Latitude	LAT1
157	2	A	Year of Inventory	YINV
159	7	A	Estimated Emissions	EES1

5.13.8   Report 5: Summary - Pre 19XX Year of Record

Report Description

This report is a summary for the Large Emission Plants - Pre 19XX Year of Record report. The report title is Summary - Pre 19XX Year of Record Emission Plants where 19XX is the Year of Record that was selected for the report criteria. Only emission plants that have been merged are selected for the report.

The provides a count and total estimated emissions value of the plants that meet the selection criteria. The emissions field is the sum of the estimated emissions for all criteria pollutants. The information is presented in ascending order by region code, state post office code, and county code.

The formation of the report will be based on geographic selection that you made on the Report Criteria screens. The following chart details the data representation for each selection.

GEOGRAPHIC SELECTION	REPORT/WORKFILE REPRESENTATION				
	State/County Detail	State Detail	State Summary	Region Summary	National Summary
State/County	X				
State	X		X		
Region		X		X	
National		X		X	X

An example of the report is shown in Figure 5-68.

```
DATE    09/22/92                    SUMMARY - PRE 1990 YEAR OF RECORD EMISSION PLANTS
PROGRAM: AFP65115
PAGE       1
REPORT:  AFS65105

REGN  STATE  CNTY   PLANT COUNT   EMISSIONS (TONS/YEAR)
----  -----  ----   -----------   ---------------------

 04    NC    001         5                1,683
             003         4                  726
             009         2                  456
             013         4                7,740
             015         2                  317
             017         3                3,791
             019         3               34,160
             021         6               32,047
             023        13                3,838
             025         2                3,802
             027        24                8,227
             029         1                  132
             031         1                  199
             033         1                  413
             035        23               70,911
             037         7               17,690
```

Figure 5-68 Summary - Pre 19XX Year of Record Report

<u>Selection Options</u>

You may further define this report's selection criteria. You may select the plants for the report by the year of record. The screen presents a default year of record of 85 for selection processing. You may modify this selection.

An example of the Report Criteria screen for this report is shown in Figure 5-69.

```
 DATE  :  09/21/92          AIRS FACILITY SUBSYSTEM              PGM:  AFP651
                               REPORT CRITERIA                   MAP:  AFM6515
 =============================================================================
 REPORT NAME:  AFS DATA COMPLETENESS REPORTS            CRITERIA NAME:
    REPORT 5   SUMMARY - PRE 19XX YEAR OF RECORD EMISSION PLANTS


                    YEAR OF RECORD: 85   (DEFAULT IS 85)









     PF3=END  PF4=MAIN MENU  PF5=TERMINATE  PF6=PAGE UP
```

Figure 5-69 Report 651 Report Criteria Screen #4

Instructions

Enter selection criteria into the available fields on the screen, or alter the previously saved criteria displayed on the screen if you wish. Press <ENTER> when you have finished entering or altering the criteria.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the screen if you make a mistake in specifying information.

FIELD MUST BE NUMERIC.
    You did not enter a numeric value for the year of record field.

REQUESTED FUNCTION KEY NOT ALLOCATED.
    You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, PF5, and PF6.

VALUE MUST BE 70 THROUGH 99.
    The value you entered for the year of record field was not between 70 and 99.

Processing Description

The program selects data for the report based on the following criteria.

> PNED not blank AND
> PCDS not blank AND
> OPST equals O or I AND
> YINV less than 1985 or user input YINV value AND
> PLL1 equals CO and EES1 greater than or equal to 1000 tons per year OR
> PLL1 equals NO2 and EES1 greater than or equal to 100 tons per year OR
> PLL1 equals PB and EES1 greater than or equal to 5 tons per year OR
> PLL1 equals PM10 and EES1 greater than or equal to 100 tons per year OR
> PLL1 equals PT and EES1 greater than or equal to 100 tons per year OR
> PLL1 equals SO2 and EES1 greater than or equal to 100 tons per year OR
> PLL1 equals VOC and EES1 greater than or equal to 100 tons per year

The report criteria screen allows you to determine the cutoff year of record for plant selection. If no input is provided, then the report selection defaults to using a year of record of 1985. The processing will select plants with a year of record earlier than the year of record that you specified.

Workfile Description

Two header (or leading records) are created for the file. The first record displays the selection criteria that you created for the file. The second record details the record layout and displays each field format. The following is a description of the data record.

FIRST BYTE	FIELD SIZE	FIELD TYPE	FIELD NAME	REMARKS (AFS ACRONYM)
			Sort Group	
1	2	A	Region Code	REGN; Sort=Ascending
3	2	A	State Post Office Code	STAB; Sort=Ascending
5	3	A	County Code	CNTY; Sort=Ascending
8	7	A	Special ID	Value=zeros, Sort=Ascending
			Data Group	
28	2	A	Region Code	REGN
30	2	A	State Post Office Code	STAB
32	3	A	County Code	CNTY
35	7	N	Plant Count	
42	15	A	Estimated Emissions	EES1

5.13.9   Report 6: Largest Emission Plants With Incomplete Address/Coordinate Data

Report Description

The report provides a ranked list of emission plants with criteria pollutants that have no street address, city name, longitude or latitude recorded. The plants are ranked in descending order of total estimated emissions value. Plant data reported are region, state, county, NEDS ID, CDS ID, plant name, plant address, longitude, latitude, year of inventory, and estimated emissions.

A sample of the report is shown in Figure 5-70.

```
  DATE  09/22/92                      LARGEST EMISSION PLANTS WITH INCOMPLETE ADDRESS/COORDINATE DATA
  PROGRAM: AFP65116
  PAGE      1
  REPORT:   AFS65106

              NEDS   CDS
  YR   EMISSIONS     ID    ID    PLANT NAME                              PLANT ADDRESS               LONGITUDE
  RANK RGN ST CTY ID
  LATITUDE INV TONS/YEAR
  ---- --- -- --- ---- ----- ----  -----------                         -------------               ---------

     1  04 NC 171 0108              WEYERHAEUSER, ELKIN                  NO STREET ADDRESS              804707
  88      3,622                                                         CLINTON
  361523

     2  04 NC 077 0040              CERTAINTEED CORPORATION, OXFORD      NO STREET ADDRESS              783641
  88      3,217                                                         BESSEMER CITY
  361734

     3  04 NC 195 0081              PURINA MILLS INC                     NO STREET ADDRESS              835524
  88      1,510                                                         CLINTON
  354212

     4  04 NC 037 0030 00030        NESTE RESINS CORPORATION             SR 1916                             0
   0 83  1,205                                                          MONCURE

     5  04 NC 147 0031              COLLINS & AIKMAN,FARMVILLE           NO STREET ADDRESS              773649
  88        907                                                         CHAPEL HILL
  353527

     6  04 NC 081 0198              LORILLARD TOBACCO COMPANY            NO STREET ADDRESS              794518
  88        655                                                         BESSEMER CITY
  360447

     7  04 NC 065 0045              LONG MFG INC                         NO STREET ADDRESS              833134
  88        562                                                         TARBORO
  352412

     8  04 NC 051 0102 00102        FORT BRAGG MILITARY                  NO STREET ADDRESS              790029
  88        508                                                         FORT BRAGG
  350739

     9  04 NC 027 0082              SINGER FURNITURE PLANT 5             NO STREET ADDRESS              813110
  88        468                                                         LENOIR
  355246

    10  04 NC 057 0268              PIEDMONT CONVERTING INC,LEXINGTON    NO STREET ADDRESS              801923
  88        386                                                         HICKORY
  355256
```

Figure 5-70 Largest Emissions Plants With Incomplete Address/Coordinate Data Report

Selection Options

You may further define this report's selection criteria. You may modify the number of plants to be selected. The default is 200 facilities. If you specify **ALL**, all the plants meeting the geographical selection and year of record selection will be produced for your report/workfile.

See Figure 5-71 for an example of the Report Criteria screen for this report.

```
 DATE  :  09/21/92            AIRS FACILITY SUBSYSTEM              PGM:  AFP651
                                 REPORT CRITERIA                   MAP:  AFM6516
 ===============================================================================
 REPORT NAME:  AFS DATA COMPLETENESS REPORTS            CRITERIA NAME:
    REPORT 6   LARGEST EMISSION PLANTS WITH INCOMPLETE
                       ADDRESS/COORDINATE DATA


 NUMBER OF PLANTS TO BE SELECTED: 200_____    (TYPE ALL TO RETRIEVE ALL PLANTS)


 PLANTS ARE SELECTED IN DESCENDING ORDER OF TOTAL ESTIMATED EMISSIONS







   PF3=END   PF4=MAIN MENU   PF5=TERMINATE   PF6=PAGE UP
```

Figure 5-71 Report 651 Report Criteria Screen #5

Instructions

Enter selection criteria into the available fields on the screen, or alter the previously saved criteria displayed on the screen if you wish. Press <ENTER> when you have finished entering or altering the criteria.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the screen if you make a mistake in specifying information.

FIELD MUST BE NUMERIC OR 'ALL'.
> The value you entered for the number of plants field was not numeric or the literal "ALL".

MUST BE A POSITIVE VALUE.
> You entered a negative valued for the number of plants field.

REQUESTED FUNCTION KEY NOT ALLOCATED.
> You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, PF5, and PF6.

Processing Description

The program selects data for the report based on the following criteria.

                PNED not blank AND
                PLL1 equals CO or NO2 or PB or PM10 or PT or SO2 or VOC AND
                STRT equals "NO STREET ADDRESS" OR
                        CYNM equals "NO CITY NAME" OR
                        LON1 equals zeros OR
                        LAT1 equals zeros

You may specify the number of plants that are selected for the report/workfile on the Report Criteria screen. If the you specify **ALL**, all of the plants that meet the fixed report criteria and geographic selection will be selected. You may specify a specific number of plants to be selected or the system default of 200 facilities. These plants are the "largest" plants determined by the sum of the estimated emissions for all of the criteria pollutants.

Workfile Description

Two header (or leading records) are created for the file. The first record displays the selection criteria that you created for the file. The second record details the record layout and displays each field format. The following is a description of the data record.

FIRST BYTE	FIELD SIZE	FIELD TYPE	FIELD NAME	REMARKS (AFS ACRONYM)
			Sort Group	
1	7	A	Estimated Emissions	EES1; Sort=Descending
8	2	A	Region Code	REGN; Sort=Ascending
10	2	A	State Post Office Code	STAB; Sort=Ascending
12	3	A	County Code	CNTY; Sort=Ascending
19	7	A	Special ID	Value=zeros; Sort=Ascending
			Data Group	
34	4	A	Rank	
38	2	A	Region Code	REGN
40	2	A	State Post Office Code	STAB
42	3	A	County Code	CNTY
45	4	A	NEDS Plant ID	PNED
49	5	A	CDS Plant ID	PCDS
54	40	A	Plant Name	PNME
94	30	A	Plant Street	STRT
124	30	A	Plant City	CYNM
154	7	N	Longitude	LON1
161	6	N	Latitude	LAT1
167	2	A	Year of Inventory	YINV
169	7	A	Estimated Emissions	EES1

5.13.10 Report 7: Summary - Emission Plants with Incomplete Address/Coordinate Data

Report Description

This report is a summary for the Largest Emission Plants With Incomplete Address/Coordinate Data report and displays the number of plants and total estimated emissions value that have met the selection criteria. The emissions field is the sum of the estimated emissions for all criteria pollutants. The information is presented in ascending order by region code, state post office code, and county code.

The formation of the report will be based on geographic selection that you made on the Report Criteria screens. The following chart details the data representation for each selection.

GEOGRAPHIC SELECTION	REPORT/WORKFILE REPRESENTATION				
	State/County Detail	State Detail	State Summary	Region Summary	National Summary
State/County	X				
State	X		X		
Region		X		X	
National		X		X	X

A sample of the report is shown in Figure 5-72.

```
DATE  09/22/92                    SUMMARY - EMISSION PLANTS WITH INCOMPLETE
PROGRAM: AFP65117                           ADDRESS/COORDINATE DATA
PAGE     1
REPORT:  AFS65107

REGN  STATE  CNTY    PLANT COUNT      EMISSIONS (TONS/YEAR)
----  -----  ----    -----------      ---------------------
 04    NC    001          1                   138
             025          1                   110
             027          3                   713
             035          1                   127
             037          1                 1,205
             041          1                   211
             045          1                   140
             051          2                   661
             057          2                   566
             065          2                   712
             077          2                 3,513
             081          4                 1,377
             083          1                   136
             097          1                   145
             101          3                   382
             111          1                   326
```

Figure 5-72 Summary - Largest Emissions Plants With Incomplete Address/Coordinate Data Report

Processing Description

The program selects data for the report based on the following criteria.

> PNED not blank AND
> PLL1 equals CO or NO2 or PB or PM10 or PT or SO2 or VOC AND
> STRT equals "NO STREET ADDRESS" OR
>   CYNM equals "NO CITY NAME" OR
>   LON1 equals zeros OR
>   LAT1 equals zeros

Workfile Description

Two header (or leading records) are created for the file. The first record displays the selection criteria that you created for the file. The second record details the record layout and displays each field format.

The following is a description of the data record.

FIRST BYTE	FIELD SIZE	FIELD TYPE	FIELD NAME		REMARKS (AFS ACRONYM)
			Sort Group		
1	2	A	Region Code		REGN; Sort=Ascending
3	2	A	State Post Office Code		STAB; Sort=Ascending
5	3	A	County Code		CNTY; Sort=Ascending
8	7	A	Special ID		Value=zeros, Sort=Ascending
			Data Group		
23	2	A	Region Code		REGN
25	2	A	State Post Office Code	STAB	
27	3	A	County Code		CNTY
30	7	N	Plant Count		
37	15	A	Estimated Emissions		EES1

5.13.11 Report 8: Plants That Appear to Need Merging

Report Description

The report displays the percentage of plants in a user specified geographic area that are not merged. Merged plants for this report refers to emission (NEDS) and compliance (CDS) facility merges and not merges between compliance facilities.

Plant totals for each selected population and the percentage of merged plants are reported by state/county or state for each selected criteria pollutant. The report detail line is presented in descending sort order of percentage of plants merged. A summary line is provided at the end of each criteria pollutant report part.

The formation of the report will be based on the geographic selection that you made on the Report Criteria screens. The following chart details the data representation for each selection.

GEOGRAPHIC SELECTION	REPORT/WORKFILE REPRESENTATION				
	State/County Detail	State Detail	Total Counties In State	Total States In Region	Total States In Nation
State/County	X				
State	X		X		
Region		X		X	
National		X			X

A sample of the report is shown in Figure 5-73.

```
DATE   09/22/92                           PLANTS THAT APPEAR TO NEED MERGING
PROGRAM: AFP65118                                  POLLUTANT - CO
  PAGE    1
REPORT:  AFS65108                              YEAR OF RECORD 70 - 99

REGN  STATE  CNTY   TOTAL PLANTS   TOTAL MERGED PLANTS   PERCENT PLANTS MERGED
----  -----  ----   ------------   ------------------    ---------------------
 04    NC    003         3                  3                   100.00
             009         1                  1                   100.00
             013         4                  4                   100.00
             015         2                  2                   100.00
             019         3                  3                   100.00
             021         6                  6                   100.00
             023        10                 10                   100.00
             025         2                  2                   100.00
             029         1                  1                   100.00
             031         1                  1                   100.00
             035        13                 13                   100.00
             037         5                  5                   100.00
             047         3                  3                   100.00
             049         3                  3                   100.00
             051         9                  9                   100.00
             059         2                  2                   100.00
```

Figure 5-73 Plants That Appear To Need Merging Report

<u>Selection Options</u>

You may further define this report's selection criteria. You need to specify at least one pollutant for the report/workfile. You may select any combination or all of them. In addition, when you select a pollutant, you must indicate if there is a tolerance selection for the estimated emissions value of the pollutant. This enables you to define your selection to specific sizes of facilities. The default is set to zero. You may also narrow the window of plants selected by specifying a range for the year of record. The default is YEAR 00 through YEAR 99 which would select a plant with any year of record if it satisfies the other selection criteria specified.

See Figure 5-74 for an example of the Report Criteria screen for this report.

```
 DATE  :  09/21/92          AIRS FACILITY SUBSYSTEM              PGM:  AFP651
                               REPORT CRITERIA                   MAP:  AFM6517
 ===========================================================================
 REPORT NAME:  AFS DATA COMPLETENESS REPORTS          CRITERIA NAME:
    REPORT 8   PLANTS THAT APPEAR TO NEED MERGING

 PLEASE CHOOSE AT LEAST ONE POLLUTANT CODE --- ENTER X FOR DESIRED POLLUTANT

         POLLUTANT CODE              EMISSIONS VALUE (GREATER THAN OR EQUAL TO)

         _ CO                        0_____ TONS PER YEAR
         _ NO2                       0_____ TONS PER YEAR
         _ PB                        0_____ TONS PER YEAR
         _ PM10                      0_____ TONS PER YEAR
         _ PT                        0_____ TONS PER YEAR
         _ SO2                       0_____ TONS PER YEAR
         _ VOC                       0_____ TONS PER YEAR
         _ ALL CRITERIA POLLUTANTS   0_____ TONS PER YEAR

 SELECT RANGE OF YEAR OF INVENTORY: YEAR  70 THROUGH YEAR  99
 (THE DEFAULT IS YEAR 70 THROUGH YEAR 99 TO RECEIVE ALL YEARS)

  PF3=END  PF4=MAIN MENU  PF5=TERMINATE  PF6=PAGE UP
```

Figure 5-74 Report 651 Report Criteria Screen #6

Instructions

Enter selection criteria into the available fields on the screen, or alter the previously saved criteria displayed on the screen if you wish. Press <ENTER> when you have finished entering or altering the criteria.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the screen if you make a mistake in specifying information.

AT LEAST ONE POLLUTANT MUST BE SELECTED WITH AN 'X'.
    You did not select a pollutant code with an "X".

FIELD MUST BE NUMERIC
    You entered a non-numeric value in the emissions field.

IF YOU WISH ALL POLLUTANTS, MARK AN 'X'.

You specified an Emissions Value, but did not mark the associated Pollutant Code with an "X".

IF YOU WISH THIS POLLUTANT, MARK AN 'X'.
You entered an emissions value, but did not mark the associated pollutant code with an
"X".

LOW END IS GREATER THAN HIGH END OF RANGE.
You value you entered for the first year of inventory field is greater than the value you entered for
the second year of inventory field.

MUST BE A POSITIVE VALUE.
You entered a negative value for the tons per year field.

REQUESTED FUNCTION KEY NOT ALLOCATED.
You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom
of the screen and are PF3, PF4, PF5, and PF6.

YOU MUST SELECT POLLUTANT(S) WITH AN 'X'.
You selected a Pollutant Code with a non-"X" character.

VALUE MUST BE 70 THROUGH 99.
The value you entered for the year of inventory field was not between 70 and 99.

Processing Description

The program selects the data for the report based on the following criteria.
Emission plants:
PNED not blank AND
PLL1 equals CO or NO2 or PB or PM10 or PT or SO2 or VOC

Merged plants:
PNED not blank AND
PCDS not blank AND
OPST equals O or I AND
PLL1 equals CO or NO2 or PB or PM10 or PT or SO2 or VOC

The plants that are selected for this report/workfile are determined by the selections you made on the Report
Criteria screen.

You may specify an estimated tons per year minimum level for the plants to be selected for any criteria
pollutant. If you do not alter the default value of 0 tons per year that appears on the screen for a selected
pollutant, then all plants for the pollutant will be selected for the report/workfile. You may select only one
criteria pollutant or any combination of criteria pollutants or all of them.

You may also narrow the window of plants selected by specifying a range for the year of record. The default
is Year 70 through Year 99 which would select a plant with any year of record if it satisfies the other selection
criteria specified.

Plants meeting the selection criteria are counted by state/county (or state). The percentage of plants merged
is calculated by dividing the total number of selected "merged" plants in a state/county (or state) by the total
number of "emission" plants in the state/county (or state).

Workfile Description

Two header (or leading records) are created for the file. The first record displays the selection criteria that
you created for the file. The second record details the record layout and displays each field format.
The following is a description of the data record.

FIRST BYTE	FIELD SIZE	FIELD TYPE	FIELD NAME	REMARKS (AFS ACRONYM)
			Sort Group	
1	5	A	Pollutant Code	PLL1; Sort=Ascending
6	3.2	N	Percent Merged	Sort=Descending
11	2	A	Region Code	REGN; Sort=Ascending
13	2	A	State Post Office Code	STAB; Sort=Ascending
15	3	A	County Code	CNTY; Sort=Ascending
18	7	A	Special ID	Value=zeros, Sort=Ascending
			Data Group	
30	5	A	Pollutant Code	PLL1
35	2	A	Region Code	REGN
37	2	A	State Post Office Code	STAB
39	3	A	County Code	CNTY
42	7	N	Total Plants On File	
49	7	N	Total Plants Need Merging	
56	3.2	N	Percent Merged	

5.14   Report 652 - EPS Workfile

5.14.1 Description

The EPS Workfile produces a workfile from AFS than can be input into the Emissions Preprocessor System (EPS) of the Urban Airshed Model. Emissions data is extracted from AFS based on user geographic and inventory selection.

You may customize this workfile by:

>   !   Specifying geographic selection criteria.

>   !   Specifying inventory selection criteria.

The following is a description of the workfile data record.

FIRST BYTE	FIELD SIZE	FIELD TYPE	FIELD NAME		REMARKS (AFS ACRONYM)
1	1	A	Inventory Type	ITYP	
3	2	A	Inventory Reference Year		
6	2	A	Inventory Base Year		YINV
9	2	A	Emissions Type		YINV
12	5	A	State/County Code		STTE/CNTY
18	5	A	Subregion Code		
24	4	A	SIC (Standard Industrial Classification Code)		SIC1
29	10	A	SCC (Source Classification Code)		SCC8
40	5	A	NEDS Plant ID		PNED
46	3	N	Stack Number		STNB
50	3	A	Emission Point Identifier		PNUM
54	2	N	Segment Number		SEGN
57	2	A	Period		
60	8	A	Beginning Period Interval		Format: YYMMDDHH
69	8	A	End Period Interval		Format: YYMMDDHH
78	10	A	Latitude		LAT1
89	10	A	Longitude		LON1
100	2	N	UTM Zone		
103	5	A	Stack Height		STHT
109	5	A	Stack Diameter	STDM	
115	5	A	Stack Exit Gas Temperature		STET
121	5	A	Stack Exit Gas Velocity		STEV
127	3	A	Annual Throughput (Dec - Feb)	PAT1	
131	3	A	Annual Throughput (Mar - May)		PAT2
135	3	A	Annual Throughput (Jun - Aug)	PAT3	
139	3	A	Annual Throughput (Sep - Nov)		PAT4
143	2	A	Hours Per Day Operating		NOHD
146	2	A	Starting Hour		OSTR
149	1	N	Days Per Week Operating		NODW
151	4	A	Hours Per Year Operating		NOHY
156	5	A	Pollutant Code		PLL4
162	10	A	Emission Value		
173	3	A	Primary Control Equipment Code		CTL1
177	3.3	N	Control Equipment Efficiency Percent		CLEE
184	6	A	Rule Effectiveness Percent		REP4
191	6	A	Rule Penetration Percent		
200	40	A	Plant Name		PNME

5.14.2 Geographic Selection Options

You may select the geographic representation for your workfile by using the Geographic Selection screen.

You must specify if the report is to be a National report. If you choose "Y", you will retrieve data from the U.S., its territories, and possessions.

If you enter a "N" for National then you must specify further geographical information. As many as eight sets of combinations are allowed. Valid combinations are:

> ! State
> ! State and County
> ! State, County and City
> ! State and Program/Status Area
> ! Program/Status Area
> ! MSA/CMSA
> ! EPA Region

The Geographic Selection Criteria Screen is shown in Figure 5-75.

```
DATE  :  09/22/92            AIRS FACILITY SUBSYSTEM                  PGM:  AFP652
                          GEOGRAPHIC SELECTION CRITERIA              MAP:  AFM6521
===============================================================================
WORKFILE NAME: EPS WORKFILE                          CRITERIA NAME:

NATIONAL (Y/N) : _

STATE        COUNTY        CITY      PROGRAM/STATUS      MSA/          EPA
                                          AREA          CMSA         REGION

___          ___          _____      _____ / _____      _____          __
___          ___          _____      _____ / _____      _____          __
___          ___          _____      _____ / _____      _____          __
___          ___          _____      _____ / _____      _____          __
___          ___          _____      _____ / _____      _____          __
___          ___          _____      _____ / _____      _____          __
___          ___          _____      _____ / _____      _____          __
___          ___          _____      _____ / _____      _____          __



 PF3=END  PF4=MAIN MENU  PF5=TERMINATE
```

Figure 5-75 Report 652 Geographic Selection Criteria Screen

Instructions

Enter selection criteria into the available fields on the screen, or alter the previously saved criteria displayed on the screen if you wish. Press <ENTER> when you have finished entering or altering the criteria.

Refer to the AFS Data Dictionary and the AIRS User's Guide Codes And Values for the valid values to use for selection criteria.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the screen if you make a mistake in specifying information.

GEOGRAPHICAL INFORMATION REQUIRED IF NOT A NATIONAL REPORT.
> You specified "N" for National report but did not specify any further geographical selection criteria.

GEOGRAPHICAL SELECTION CRITERIA NOT ALLOWED FOR NATIONAL REPORT.
> You specified "Y" for National and also specified other geographical selection criteria. Either specify "N" for National or do not specify any other geographical selection criteria.

INVALID CITY FOR STATE SPECIFIED.
> You entered an invalid City code.

INVALID COMBINATION OF CRITERIA ELEMENTS.
> You specified an invalid combination of geographical selection criteria. The valid combinations are State, State and County, State and County and City, State and Program/Status Area, Program/Status Area, MSA/CMSA, or EPA Region.

INVALID COUNTY FOR STATE SPECIFIED.
> You entered an invalid County code.

INVALID REGION CODE.
> You entered an invalid Region code.

INVALID STATE.
> You entered an invalid State code or abbreviation.

PLEASE DO NOT ENTER BOTH STATE CODE AND MSA/CMSA CODE.
> You entered both State and MSA/CMSA code. This is an invalid combination.

PLEASE ENTER A VALID MSA/CMSA CODE.
> You entered an invalid MSA/CMSA code.

PLEASE ENTER A VALID PROGRAM/STATUS AREA.
> The Program/Status area you entered is not a valid value or you entered a Status Area value and entered spaces for Program.

PLEASE ENTER A VALID STATE AND PROGRAM/STATUS AREA.
> The State and Program/Status Area combination is not valid.

PLEASE ENTER STATE CODE AND PROGRAM/STATUS AREA OR MSA/CMSA CODE.
> You entered values for State, Program/Status and MSA/CMSA. This is an invalid combination. Enter only State and Program/Status or only MSA/CMSA.

PLEASE ENTER THE COUNTY CODE FOR THE CITY.
> You specified a city but no county.

REQUESTED FUNCTION KEY NOT ALLOCATED.
> You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom

of the screen and are PF3, PF4, and PF5.

VALUE MUST BE 'Y' OR 'N'.
You entered no value or an invalid value for National.

5.14.3 Inventory Selection Criteria

You may define the subset of the data you wish to retrieve for the workfile by using the Inventory Selection screen.

The fields on the screen are described:

! Inventory Type

Valid values are "B" (Base), "R" (RFP), and "M" (Modeling). This is a mandatory field with one exception; the value may be blank if you specify SIP Only as "N", Emission Type as "AC", and select an Emission Level.

! SIP Only

This is a mandatory field. Valid selections are "Y" (Yes) and "N" (No). If you respond with a "Y", only those plants that have been flagged by the user as SIP plants will be retrieved.

! Base Year Begin

This is a mandatory field. Valid years are 1985 and greater.

! Base Year End

This field may be supplied to indicate a range of years. The value of this field must be no more than 30 years greater than Base Year Begin.

! Projected Year Begin

You can only address this field if you have entered an Inventory Type of "R" or "M".

! Projected Year End

You can only address this field if you have entered an Inventory Type of "R" or "M". This field may be supplied to indicate a range of years.

! SIC Code (Standard Industrial Code)

You may specify a range of values. If you leave the field blank, all values will be extracted.

! SCC Code (Source Classification Code)

You may specify a range of values. If you leave the field blank, all values will be extracted.

! Pollutant

If you leave the field blank, the five criteria pollutants (VOC, CO, NO2, SO2, PT) will be extracted. You may specify up to five values for the workfile.

! Range of Emissions

You may specify a range of emissions for each pollutant specified. If a beginning range is entered, an ending range is required. Valid values are 0.000 to 999999.999.

! Emission Type

It is mandatory that you enter a value for this field or a value for at least two occurrences of the Combined Emission Types field. Valid values are "AC", "AL", "GB", "GN", "LB, or

"LN".

!   Combined Emission Types

It is mandatory that you enter a value for at least two occurrences of this field or a value for the Emission type field. Valid values are "AC", "AL", "GB", "GN", "LB, or "LN".

!   Emission Level

This is a mandatory field. One, and only one, of the three choices must be selected.

!   Period Code

If you selected an Emission Level of Period or Combined, Period Code must be PO or PC.

The Inventory Selection Criteria Screen is shown in Figure 5-76.

```
DATE  :  09/22/92         AIRS FACILITY SUBSYSTEM              PGM:  AFP652
                         INVENTORY SELECTION CRITERIA          MAP:  AFM6522
===============================================================================
WORKFILE NAME: EPS WORKFILE                       CRITERIA NAME:
SELECT DATA FOR INVENTORY:
          INVENTORY         SIP ONLY       BASE YEAR       PROJECTED YEAR
           TYPE              (Y/N)         BEGIN/END         BEGIN/END
            _                  _          ____ ____        ____ ____
SELECT DATA FOR: SIC CODE(S): ____ THRU ____
                 SCC CODE(S): _____ THRU _____
                 POLLUTANT _____    RANGE OF EMISSIONS _____ TO _____
                           _____                       _____ TO _____
                           _____                       _____ TO _____
                           _____                       _____ TO _____
                           _____                       _____ TO _____
EMISSION TYPE: __      OR   COMBINED EMISSION TYPES: __  __  __  __
EMISSION LEVEL (CHOOSE ONE BY ENTERING 'X')
  _ ANNUAL
  _ PERIOD    ENTER PERIOD CODE
  _ COMBINED  PERIOD FIRST THEN ANNUAL; ENTER PERIOD CODE    PERIOD CODE __


 PF3=END  PF4=MAIN MENU  PF5=TERMINATE  PF6=PAGE UP
```

Figure 5-76 Report 652 Inventory Selection Criteria Screen

Instructions

Enter selection criteria into the available fields on the screen, or alter the previously saved criteria displayed on the screen if you wish. Press <ENTER> when you have finished entering or altering the criteria.

Refer to the AFS Data Dictionary and the AIRS User's Guide Codes And Values for the valid values to use for selection criteria.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the screen if you make a mistake in specifying information.

BASE-BEGIN-YEAR IS REQUIRED.
>   No value was entered for Base Year Begin.

BASE-BEGIN-YEAR IS < 1985.
>   Base Begin Year must be 1985 or greater.

BASE-END-YEAR MUST BE > OR = BASE-BEGIN-YEAR.
>   The value you specified for Base Year Begin is greater than the value you specified for Base Year End.

BOTH SCC-MIN AND SCC-MAX MUST BE ENTERED FOR RANGE.
>   You entered blank in the first occurrence of the SCC Code range and entered a value in the second occurrence of the SCC Code range.

BOTH SIC-MIN AND SIC-MAX MUST BE ENTERED FOR RANGE.

You entered blank in the first occurrence of the SIC Code range and entered a value in the second occurrence of the SIC Code range.

CHOOSE ONLY 1 EMISSION LEVEL.
You marked more than one Emission Level.

EMISSION LEVEL IS REQUIRED.
You did not specify an Emission Level. Mark one with an "X".

EMISSION TYPE IS REQUIRED.
You left the Emission Type field blank and the Combined Emission Type fields blank. You must enter an Emission Type or at least two Combined Emission Types.

ENDING SCC CODE IS INVALID.
The value you specified for the first occupance of the SCC Code range is greater than the value you specified for the second occupance of the SCC Code range.

ENDING SIC CODE IS INVALID.
The value you specified for the first occupance of the SIC Code range is greater than the value you specified for the second occupance of the SIC Code range.

ENTER A NUMERIC RANGE VALUE.
You specified a non-numeric value for a Range of Emissions field.

ENTER A POLLUTANT CODE FOR THE POLLUTANT RANGE ENTERED.
You specified values in the Range of Emissions field and did not specify the associated Pollutant code.

ENTER BOTH VALUES FOR A RANGE.
You only specified one range value for Range of Emissions.

ENTER 'X' FOR EMISSION LEVEL.
You specified an Emission Level with a non-"X" character.

INVALID COMBINATION OF EMISSION TYPES.
You specified an invalid combination for Combined Emission Types field. If you specify "AC" or "AL" in the first occupance, you must specify the other for the second occupance. If you did not specify "AC" or "AL" for the first occupance, you must specify "AC" or "AL" for the second occupance.

INVALID EMISSION TYPE.
Valid Emission Types are "AC", "AL", GB", "GN", "LB", and "LN"

INVALID EMISSION TYPE FOR LEVEL SPECIFIED.
You entered an invalid Emission Type and Emission Level combination. Valid combination values are: 1) Any Emission Level is valid for Emission Type of "AC", 2) The only valid Emission Level for the other Emission Levels (AL, GB, GN, LB, LN) is "Annual".

INVALID PERIOD CODE.
Valid values are "PO" and "PC".

INVALID POLLUTANT.
You entered an invalid pollutant code.

INVALID PRIMARY INDUSTRIAL CLASSIFICATION CODE.
You entered an invalid value for SIC Code.

INVALID SOURCE CLASSIFICATION CODE.
You entered an invalid SCC Code.

INVENTORY TYPE MUST BE 'R' OR 'M' TO ADDRESS PROJECTED YEAR.
You may not enter a value for Projected Year unless you have specified Inventory Type as "R" or "M".

INVENTORY TYPE IS INVALID.
You did not specify a valid Inventory Type of "B", "M", or "R". You will also get this error message if you left the field blank, did not specify "AC" for Emission Type, specified "Y" for SIP Only, and left the Emission Level field blank.

MINIMUM VALUE MUST BE LESS THAN MAXIMUM.
The value you entered for the first occupance of Range of Emissions is greater than the value you entered for the second occupance.

MUST ENTER AT LEAST 2 COMBINED EMISSION TYPES.
You only entered one occupance of Combined Emission Types. Specify at least two occurrences.

MUST ENTER EITHER EMISSION TYPE OR COMBINED EMISSION TYPE.
You entered value in both the Emission Type and Combined Emission Type fields. You may specify values for only one of these fields.

MUST ENTER 'Y' OR 'N'.
You did not specify a valid value for SIP Only.

PERIOD CODE FOR ANNUAL MUST BE BLANK.
You specified an Emissions Level of Annual and also entered a Period Code. Do not enter a Period Code if Annual Emissions Level.

PERIOD CODE OF PERIOD OR COMBINED LEVEL MUST BE PO OR PC.
You selected an Emissions Level of Period or Combined, but failed to enter a Period Code.

PLEASE ENTER A NUMERIC BASE-BEGIN-YEAR.
The value you entered for Base Year Begin was not all numerics.

PLEASE ENTER A NUMERIC BASE-END-YEAR.
The value you entered for Base Year End was not all numerics.

PLEASE ENTER A NUMERIC PROJECTED-BEGIN-YEAR.
The value you entered for Projected Year Begin was not all numerics.

PROJECTED-BEGIN-YEAR IS > 30 YEARS FROM BASE-BEGIN-YEAR.
The value of Projected Year Begin must be no more than 30 years greater than Base Year Begin.

REQUESTED FUNCTION KEY NOT ALLOCATED.
You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, PF5, and PF6.

SCC CODE MUST BE NUMERIC.
You specified a non-numeric SCC Code.

SIC CODE MUST BE NUMERIC.
You did not specify a numeric SIC Code in either the first or second occupance of the range.

5.15   Report 680 - AFS Enforcement Action Summary

5.15.1 Description

The AFS Enforcement Action Summary report provides a count of enforcement actions by region or state. Enforcement actions are determined to be national action types 1D, 6A, 7C, 7A, 8A, 9A, 1B, 2B, 8C, 9C, 1E, and 7E. Air programs 3 and 4 are excluded as are air program statuses D, R, and S. You are required to input geographical information and a date achieved range.

You may customize this report by:

> !   Generating the report to the screen or to the printer or to both.

> !   Specifying selection criteria for data fields.

> !   Creating an optional report title.

A sample of the report is shown in Figure 5-77.

```
DATE:  10/01/92
PAGE:       2
==============================================================================================

                     AFS SUMMARY OF ENFORCEMENT ACTIONS BY REGION

==============================================================================================

            STATE  STATE  STATE  STATE  STATE  STATE  STATE  STATE
ANT1 TOTAL   AL     FL     GA     KY     MS     NC     SC     TN
---- -----  -----  -----  -----  -----  -----  -----  -----  -----

7A      2      0      0      0      0      0      0      0      2

7E      4      0      4      0      0      0      0      0      0

8A      1      0      0      0      1      0      0      0      0

8C   1454     15    169    968    177     27     25     50     23
     -----  -----  -----  -----  -----  -----  -----  -----  -----
     1461     15    173    968    178     27     25     50     25

# ITEMS:    4


                              ***   END OF REPORT   ***
```

Figure 5-77 AFS Enforcement Action Summary Report

5.15.2   Output Selection Options

You may select the output destination of your report on the Report Destination screen as shown in Figure 5-78. The options are as follows:

!   Generate a report to the screen. This option displays the report on the screen.

!   Generate a printed report. This option generates the JCL to produce a printed report.

```
DATE  :  09/22/92          AIRS FACILITY SUBSYSTEM               PGM:  AFP010
                            REPORT DESTINATION                    MAP:  AFM0067
================================================================================


REPORT NAME: AFS ENFORCEMENT ACTION SUMMARY            CRITERIA NAME:


                        ENTER X FOR DESIRED OPTION(S)


            CHOOSE AT LEAST ONE OUTPUT

        _  1.   GENERATE A PRINTED REPORT
        _  2.   GENERATE A WORKFILE




 PF3=END  PF4=MAIN MENU  PF5=TERMINATE
```

Figure 5-78 Report 680 Report Destination Screen

Instructions

You must choose at least one type of output destination and you may select two or three options. The screen requires that an "X" be entered for the desired options. When selection has been made, press <ENTER>.

If you choose a workfile, you will be required to specify a dataset name for it on the Fixed Report JCL Parameters screen.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the selection output screen if you make a mistake in specifying information.

ENTER 'X' TO SELECT AN OUTPUT OPTION.
        You pressed the enter key without marking an option with an X or marked the option with a non-X character.

REQUESTED FUNCTION KEY NOT ALLOCATED.
        You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, and PF5.

5.15.3   Data Selection Options

You may define the subset of the data you wish to retrieve for the report by using the Select Criteria screen shown in Figure 5-79.

```
    DATE  :  09/22/92          AIRS FACILITY SUBSYSTEM              PGM:  AFP680
                               SELECT CRITERIA                       MAP:  AFM6801
    ===============================================================================
    REPORT NAME: AFS ENFORCEMENT ACTION SUMMARY            CRITERIA NAME:
    ENTER OPTIONAL REPORT TITLE (Y/N): _

    NATIONAL (Y/N):   _
    REGION: __    STATE: __

    PLEASE ENTER A RANGE OF ACTION DATES ACHIEVED: (YYMMDD)

                              _____ - _____


    AIR PROGRAM CODES : ALL EXCEPT 3 AND 4
    AIR PROGRAM STATUS: ALL EXCEPT D, R, AND S

    NATIONAL ACTION TYPES: 7A, 8A, 9A, 1B, 2B, 3B, 8C, 9C, 1D, 1E, 7E



     PF3=END  PF4=MAIN MENU  PF5=TERMINATE
```

Figure 5-79 Report 680 Select Criteria Screen

There are three groups of selection criteria. The first group consist of the following mandatory field.

!   Optional Report Title

         You must specify if you want an optional title ("Y") on your report. The optional title will appear as a subtitle under the primary report title. If you request the optional title, you will receive a screen to define the text of the title.

The second group of selection criteria consists of "geographic" criteria. You must specify if the report is to be a National report. If you choose "Y", you will retrieve data from the United States, its territories, and trust possessions. If you enter a "N" for National then you must specify further geographical information of Region or State.

The third set of selection criteria consists of the following field.

!   Range of Action Dates Achieved

         You must specify the range of action dates for the report.

Instructions

Enter selection criteria into the available fields on the screen, or alter the previously saved criteria displayed on the screen if you wish. Press <ENTER> when you have finished entering or altering the criteria.

Refer to the AFS Data Dictionary and the AIRS User's Guide Codes And Values for the valid values to use for selection criteria.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the data selection option screen if you make a mistake in specifying information.

DATE ACHIEVED RANGES ARE REQUIRED.
> You failed to specify values for the Range of Action Dates Achieved fields.

GEOGRAPHICAL SELECTION CRITERIA NOT ALLOWED FOR NATIONAL REPORT.
> You selected "Y" for a National report and also specified a Region or State. Do not specify Region or State for a National report.

INVALID DATE ACHIEVED.
> You did not enter a date in the valid format of YYMMDD.

INVALID REGION CODE.
> You entered an invalid Region code.

INVALID STATE.
> You entered an invalid State code.

"PROCESS FROM DATE" MUST BE EARLIER THAN "PROCESS TO DATE".
> The date in the first occupance of the Range of Action Dates Achieved field is greater than the date specified in the second occupance of the field.

REGION OR STATE REQUIRED IF NOT A NATIONAL REPORT.
> You specified "N" (No) for a National report, but did not specify further geographical selection for Region or State.

REQUESTED FUNCTION KEY NOT ALLOCATED.
> You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, and PF5.

VALUE MUST BE 'Y' OR 'N'.
> You entered no value or an invalid value for National.

5.15.4   Optional Report Title

This screen allows you to customize your report by providing a sub-title on each report. This title will appear directly under the primary report title. This optional title can be 50 characters in length. You will receive this screen if you answer "Y" (Yes) to the Optional Report Title query on the Select Criteria screen.

The Optional Report Title screen is shown in Figure 5-80.

```
DATE  :  09/22/92          AIRS FACILITY SUBSYSTEM               PGM:  AFP680
                             OPTIONAL REPORT TITLE                 MAP:  AFM0064
===============================================================================

REPORT NAME:  AFS ENFORCEMENT ACTION SUMMARY           CRITERIA NAME:


REPORT TITLE:  _____











    PF3=END   PF4=MAIN MENU   PF5=TERMINATE   PF6=PAGE UP
```

Figure 5-80 Report 680 Optional Report Title Screen

Instructions

Type the text of your optional title and press <ENTER>. If you selected this screen by accident or changed your mind after you selected it, and don't want an optional title on your report, you may leave the field blank and press <ENTER>.

Error Messages

The error message listed below is displayed at the top of the data selection option screen if you make a mistake in specifying information.

REQUESTED FUNCTION KEY NOT ALLOCATED.
        You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, PF5, and PF6.

5.15.5   Workfile Description

One header (or leading record) is created for the file. This record displays the data that is created for the file data records. The following is a description of the data record.

FIRST BYTE	FIELD SIZE	FIELD TYPE	FIELD NAME		REMARKS (AFS ACRONYM)
1	2	A	National Action Type		From the Action Table
3	2	A	Geographic Information		[1]National Report
					[2]Not National Report
5	3	A	County code		CNTY
8	5	A	CDS Plant ID 1		PCDS
13	5	A	CDS Plant ID 2		PCDS
18	5	A	CDS Plant ID 3		PCDS
23	3	N	Action Number	ANU1	
26	2	A	Action Type		ATP1

---

[1]   If you specified "Y" (Yes) for National on the selection screen the geographic information will be:

REGN (A2), STTE (A2)

[2]   If you specified "N" (No) for National on the selection screen the geographic information will be:

STTE (A2), REGN (A2)

5.16   Report 682 - AFS Continuous Emissions Summary

5.16.1 Description

The AFS Continuous Emissions Summary report displays continuous emissions monitoring and excess emissions information for plants in AFS. You can specify geographical information, the first character of the channel number and a range of report quarters.

You may customize this report by:

!   Generating the report to the printer or to a workfile or to both.

!   Specifying selection criteria for data fields.

!   Creating an optional report title.

A sample of this report is shown in Figure 5-81.

```
DATE: 09/22/92
PROGRAM:  AFP682
PAGE:     1

                              AFSS  CONTINUOUS  EMISSIONS  REPORTING

STATE CODE:  37

PLANT: 04 / 37 / 013 / 00071    NAME: TEXASGULF INC.
```

POINT: 021 00071   DESC: SULFURIC ACID PLT #3

MONITOR NUMBER	RPT QTR	AIR PGMS	TOTAL OPERATING TIME	TOTAL AMOUNT OF EXCEEDANCES	% IN EXCEEDANCES	NUMBER OF EXCEEDANCES	TOTAL MONITOR DOWNTIME	% IN MONITOR DOWN	NUMBER OF MONITOR DOWNTIMES
299	90/01	9	2131	11	0.516	11	380	17.832	380
299	90/02	9	1868	78	4.175	26	2	0.107	1

POINT: 022 00071   DESC: SULFURIC ACID PLT #4

MONITOR NUMBER	RPT QTR	AIR PGMS	TOTAL OPERATING TIME	TOTAL AMOUNT OF EXCEEDANCES	% IN EXCEEDANCES	NUMBER OF EXCEEDANCES	TOTAL MONITOR DOWNTIME	% IN MONITOR DOWN	NUMBER OF MONITOR DOWNTIMES
299	90/02	9	2140	0	0.000	0	15	0.700	1

POINT: 023 00071   DESC: SULFURIC ACID PLT #5

MONITOR NUMBER	RPT QTR	AIR PGMS	TOTAL OPERATING TIME	TOTAL AMOUNT OF EXCEEDANCES	% IN EXCEEDANCES	NUMBER OF EXCEEDANCES	TOTAL MONITOR DOWNTIME	% IN MONITOR DOWN	NUMBER OF MONITOR DOWNTIMES
299	90/01	9	2098	12	0.571	12	548	26.120	548
299	90/02	9	2139	12	0.561	1	12	0.561	1

POINT: 122 00071   DESC: SULFURIC ACID PLT #2

MONITOR NUMBER	RPT QTR	AIR PGMS	TOTAL OPERATING TIME	TOTAL AMOUNT OF EXCEEDANCES	% IN EXCEEDANCES	NUMBER OF EXCEEDANCES	TOTAL MONITOR DOWNTIME	% IN MONITOR DOWN	NUMBER OF MONITOR DOWNTIMES
299	90/01	9	1	0	0.000	0	0	0.000	0
299	90/02	9	2107	45	2.135	1	10	0.474	2

Figure 5-81 AFS Continuous Emissions Summary

5.16.2 Output Selection Options

You may select the output destination of your report on the Report Destination screen as shown in Figure 5-82. The options are as follows:

!   Generate a printed report. This option generates the JCL to produce a printed report.

!   Generate a workfile. This option generates a permanent workfile which can be printed and used at a later date.

```
 DATE  :  09/25/92         AIRS FACILITY SUBSYSTEM              PGM:  AFP010
                            REPORT DESTINATION                  MAP:  AFM0067
 ==============================================================================


 REPORT NAME: AFS CONTINUOUS EMISSIONS SUMMARY          CRITERIA NAME:


                        ENTER X FOR DESIRED OPTION(S)


               CHOOSE AT LEAST ONE OUTPUT

            _  1.  GENERATE A PRINTED REPORT
            _  2.  GENERATE A WORKFILE





  PF3=END   PF4=MAIN MENU   PF5=TERMINATE
```

Figure 5-82 Report 682 Report Destination Screen

Instructions

You must choose at least one type of output destination and you may select both options. The screen requires that an "X" be entered for the desired options. When selection has been made, press <ENTER>.

If you choose a workfile, you will be required to specify a dataset name for it on the Fixed Report JCL Parameters screen.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the screen if you make a mistake in specifying information.

ENTER 'X' TO SELECT AN OUTPUT OPTION.
       You pressed the enter key without marking an option with an X.

REQUESTED FUNCTION KEY NOT ALLOCATED.
       You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, and PF5.

5.16.3   Data Selection Options

You may define the subset of the data you wish to retrieve for the report by using the Select Criteria screen shown in Figure 5-83.

```
DATE  :  09/25/92        AIRS FACILITY SUBSYSTEM                 PGM: AFP682
                            SELECT CRITERIA                       MAP: AFM6821
================================================================================
REPORT NAME: AFS CONTINUOUS EMISSIONS SUMMARY          CRITERIA NAME:
ENTER OPTIONAL REPORT TITLE (Y/N): _                   EPA/STATE (E/S):   _


NATIONAL (Y/N): _

        REGION:  __    STATE:  __

ALL PARAMETER CODES (Y/N):  _

        VALUES:  _  _  _  _  _  _  _  _  _

RANGE OF REPORT QUARTERS (YYQQ):  ____ -  ____




 PF3=END  PF4=MAIN MENU  PF5=TERMINATE
```

Figure 5-83 Report 682 Select Criteria Screen

There are three groups of selection criteria. The first group consist of the following mandatory fields.

   !   Optional Report Title

          You must specify if you want an optional title ("Y") on your report. The optional title will appear as a subtitle under the primary report title. If you request the optional title, you will receive a screen to define the text of the title.

   !   EPA/State

          You must define whether you want EPA data or State data to be selected for your report. This definition is needed for the "dual" data elements that appear on the selection screen, such as Classification Code. However, for this report, this field is not being evaluated by the program, but must be filled in to satisfy the screen requirements.

The second group of selection criteria consists of "geographic" criteria. You must specify if the report is to be a National report. If you choose "Y", you will retrieve data from the United States, its territories, and trust possessions. If you enter a "N" for National then you must specify further geographical information of Region or State.

The third set of selection criteria consists of the following fields.

> ! Parameter Codes
>
> The parameter code field represents the first digit of the channel number data element. You must specify whether you want to include all channel numbers in the report. If you don't, you can specify the ones you want included.
>
> ! Range of Report Quarters
>
> You can specify a range of continuous emissions monitor reporting quarters for your report.

Instructions

Enter selection criteria into the available fields on the screen, or alter the previously saved criteria displayed on the screen if you wish. Press <ENTER> when you have finished entering or altering the criteria.

Refer to the AFS Data Dictionary and the AIRS User's Guide Codes And Values for the valid values to use for selection criteria.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the screen if you make a mistake in specifying information.

ENTER PARAMETER CODE(S) STARTING FROM LEFT TO RIGHT.
> You did not specify your parameters in order from left to right. You left blank codes in fields occurring before a field with a code.

EPA STATE INDICATOR MUST BE 'E' OR 'S'.
> You entered no value or an invalid value for EPA State Indicator.

GEOGRAPHICAL SELECTION CRITERIA NOT ALLOWED FOR NATIONAL REPORT.
> You selected "Y" for a National report and also specified a Region or State. Do not specify Region or State for a National report.

INVALID PARAMETER CODE.
> You entered a parameter code that is not valid.

INVALID REGION CODE.
> You entered an invalid Region code.

INVALID REPORT QUARTER RANGE.
> The range you specified for Report Quarters is not valid. The first occupance is greater than the second occupance.

INVALID STATE.
> You entered an invalid State code.

INVALID YEAR FOR REPORT QUARTER.
> The year that you specified for Report Quarter is not valid.

NO PARAMETER CODES ARE ALLOWED WHEN 'Y' IS ENTERED.
> You specified "Y" for all parameter codes and also specified values for them. If you want to request specific parameter codes you must enter "N" for All Parameter Codes.

REGION REQUIRED IF NOT A NATIONAL REPORT.

You specified "N" (No) for a National report, but did not specify further geographical selection.

REPORT QUARTER MUST BE '01', '02', '03', OR '04'.
You entered an invalid Report Quarter.

REQUESTED FUNCTION KEY NOT ALLOCATED.
You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, and PF5.

VALUE MUST BE 'Y' OR 'N'.
You entered no value or an invalid value for Optional Report Title, National Report, or All Parameter Codes field.

5.16.4   Optional Report Title

This screen allows you to customize your report by providing a sub-title on each report. This title will appear directly under the primary report title. This optional title can be 50 characters in length. You will receive this screen if you answer "Y" (Yes) to the Optional Report Title query on the Select Criteria screen.

The Optional Report Title screen is shown in Figure 5-84.

```
 DATE  :  09/25/92          AIRS FACILITY SUBSYSTEM               PGM:  AFP682
                             OPTIONAL REPORT TITLE                 MAP:  AFM0064
 ===============================================================================

 REPORT NAME:  AFS CONTINUOUS EMISSIONS SUMMARY         CRITERIA NAME:


 REPORT TITLE:  _____





















   PF3=END   PF4=MAIN MENU   PF5=TERMINATE   PF6=PAGE UP
```

Figure 5-84 Report 682 Optional Report Title Screen

Instructions

Type the text of your optional title and press <ENTER>. If you selected this screen by accident or changed your mind after you selected it, and don't want an optional title on your report, you may leave the field blank and press <ENTER>.

Error Messages

The error message listed below is displayed at the top of the screen if you make a mistake in specifying information.

REQUESTED FUNCTION KEY NOT ALLOCATED.
　　　You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, PF5, and PF6.

5.16.5   Workfile Description

One header record (or leading record) is created for the file. This record displays the data that is created for
the file data records. The following is a description of the data record.

FIRST BYTE	FIELD SIZE	FIELD TYPE	FIELD NAME		REMARKS (AFS ACRONYM)
1	64	A	Sort Area		Area used by program to sort file
65	2	A	Region Code		REGN
67	2	A	State Code		STTE
69	3	A	County Code		CNTY
72	5	A	CDS Plant ID		PCDS
77	40	A	Plant Name		PNME
117	3	A	Point Number		PNUM
120	5	A	Indirect Source ID		IS31
125	25	A	Point Description		DSC3
150	6	A	Air Program Codes		ASCP
156	4	A	Report Quarter	RQT3	
160	6	N	Total Source Operating Time		TSOT
166	7	N	Total Excess Emissions	TEXE	
173	3.3	N	Report Operating Exceed Percent		ROEP
179	3	N	Incidents of Excess Emissions		INEE
182	7	N	Total Monitor Downtime		TMDT
189	3.3	N	Monitor Unavailability Percent		MUVP
195	3	N	Incidents of Monitor Downtime	INMD	
198	3	A	Channel Number		CHNM
201	25	A	Channel Description		CHDM
226	20	A	Monitor Manufacturer		MTMR
246	15	A	Monitor Model Number		MTMN
261	15	A	Monitor Serial Number	MTSN	
276	1	A	Monitor Requirement Code		MTRC

5.17   Report 684 - AFS Mailing Labels

5.17.1   Description

The AFS Mailing Labels report creates labels in the format of :

    State-County-Plant ID
    Compliance/Emissions Contact
    Plant Name
    Plant Address
    Plant City, Plant State, Plant Zip Code

You may customize this report by:

    !   Generating the report to the printer or to a workfile or to both.

    !   Generating 1 or 3 column labels

    !   Specifying selection criteria for data fields.

A sample of this report generated to plain paper output is shown in Figure 5-85.

```
37-111-00001-0001                    37-111-00011                    37-111-00021

COATS AMERICAN (AMERICAN THREAD)     BOYD CONTRACTORS                GALEY & LORD CLINCHFIELD PLANT
HIGHWAY 221 NORTH                    HIWAY 70 WEST                   TANK & MAIN STREETS
WOODLAWN, NC  28752                  NOT IN A CITY, NC  28752        NOT IN A CITY, NC  28752


37-111-00024                         37-111-00027-0027               37-111-00031-0031

COLLINS AND AIKMAN CORP              CROSS MILLS INC                 DREXEL PLANT 2 MARION
DRAWER 669                           CARSON STREET                   361 BLUE RIDGE STREET
OLD FORT, NC  28762                  MARIAN, NC  28752               MARION, NC  28752


37-111-00035                         37-111-00036-0036               37-111-00038

ETHAN ALLEN-BL RIDGE                 ETHAN ALLEN - PINE VALLEY DIV   EXPLOSIVES SUPP-ASPH
COMMERCE STREET                      HWY 70                          HIGHWAY 221 NORTH
OLD FORT, NC  28762                  NOT IN A CITY, NC  28762        SEVIER, NC  28752


37-111-00045                         37-111-00055                    37-111-00062

H & B LUMBER CO                      JOHNSON PAVING CO.              MASCO HOME FURNISHINGS (HENREDON)
HIWAY 221N                           HIGHWAY 221 NORTH               I-40
NOT IN A CITY, NC  28757             MARION, NC  28752               MARION A CITY, NC  28752


37-111-00063                         37-111-00069                    37-111-00071

MARION-CITY OF SEWAGE TRT            MCDOWELL HOSPITAL               MARION FABRICS, INC.
HWY 226 SOUTH                        400 SUGAR HILL ROAD             700 BALDWIN AVENUE
NOT IN A CITY, NC  28752             NOT IN A CITY, NC  28752        MARION, NC  28752


37-111-00095                         37-111-00097                    37-111-00100

UNITED MERCHANTS AND MFG INC         PARKER HOSIERY MILL            PISGAH YARN & DYEING
OLD FORT                             CATAWBA AVE                     ORCHARD DRIVE
OLD FORT, NC  28762                  NOT IN A CITY, NC  28762        OLD FORT, NC  28762


37-111-00116                         37-111-00117                    37-111-00120

BAXTER HEALTHCARE CORP               METROMONT MATERIALS CORP        SHEER CRAFT INC
NORTH COVE ROUTE 3                   E COURT ST                      RUTHERFORD ROAD
NOT IN A CITY, NC  28752             NOT IN A CITY, NC  28752        MARION, NC  28752


37-111-00149                         37-111-00150                    37-111-00151

BROYHILL FURNITURE                   EXPLOSIVES SUPPLY-CRUSHER       JOHNSON PAVING CO-ASPHALT
OLD WEST HENDERSON ST                HWY 221 N                       HWY 221 N
NOT IN A CITY, NC  28752             NOT IN A CITY, NC  28752        MARION, NC  28752
```

Figure 5-85 Mailing Labels

5.17.2   Output Selection Options

You may select the output destination of your report on the Report Destination screen as shown in Figure 5-86. The options are as follows:

> !   Generate 1 or 3 column labels. This option creates labels on the NCC printer using special forms.

> !   Generate a plain paper printed report. This option generates the JCL to produce a printed report on plain printer paper with three columns.

> !   Generate a workfile. This option generates a permanent workfile which can be printed and used at a later date. The labels will be generated in 1 column format.

```
DATE  :  09/25/92          AIRS FACILITY SUBSYSTEM               PGM:  AFP010
                              REPORT DESTINATION                 MAP:  AFM0068
================================================================================

REPORT NAME: AFS MAILING LABELS                       CRITERIA NAME:


                        ENTER X FOR DESIRED OPTION

           CHOOSE ONE OUTPUT

           _ 1.   GENERATE 1 OR 3 COLUMN LABELS
           _ 2.   GENERATE A PLAIN PAPER REPORT
           _ 3.   GENERATE A WORKFILE





  PF3=END  PF4=MAIN MENU  PF5=TERMINATE
```

Figure 5-86 Report 684 Report Destination Screen

Instructions

You must choose at least one type of output destination and you may select both options. The screen requires that an "X" be entered for the desired options. When selection has been made, press <ENTER>.

If you choose a workfile, you will be required to specify a dataset name for it on the Fixed Report JCL Parameters screen.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the screen if you make a mistake in specifying information.

ENTER 'X' TO SELECT AN OUTPUT OPTION.
> You pressed the enter key without marking an option with an X.

ONLY ONE VALUE SHOULD BE MARKED.
> You chose more than one selection. You are allowed to choose only one output.

REQUESTED FUNCTION KEY NOT ALLOCATED.
> You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, and PF5.

5.17.3   Data Selection Options

You may define the subset of the data you wish to retrieve for the report by using the Select Criteria screen shown in Figure 5-87.

```
DATE  :  09/25/92          AIRS FACILITY SUBSYSTEM                PGM:  AFP684
                              SELECT CRITERIA                     MAP:  AFM6841
===============================================================================
REPORT NAME: AFS MAILING LABELS                          CRITERIA NAME:

USE PLANT SITE ADDRESS IF NO MAILING DATA EXISTS (Y/N):  _

COMPLIANCE/EMISSIONS CONTACT NAME (C/E):  _

# OF BLANK LINES BETWEEN LABELS ON WORKFILE (0-9):  _

# OF LABELS PER ROW ON NCC LABELS (1/3):  _

NATIONAL (Y/N): _   SIP PROGRAM: _____  STATUS AREA: _____  MAILING LABEL CODE: __

REGION: __    STATE: __    AQCR: ___    COUNTY: ___    CITY: _____




 PF3=END   PF4=MAIN MENU   PF5=TERMINATE
```

Figure 5-87 Report 684 Select Criteria Screen

There are two groups of selection criteria. The first set of selection criteria allows you to define your labels.

!   Use Plant Site Address If No Mailing Data Exists

                You must designate if the plant address on the Plant General file is to be used if the
                plant has not mailing label record associated with it. Valid responses are "Y" (Yes)
                or "N" (No).

!   Compliance/Emissions Contact Name

                You may specify if you want the compliance contact name (value = "C") or the
                emissions contact name (value = "E") to appear on the labels. If you do not specify
                a "C" or an "E", no contact name will appear on the label as shown in Figure 5-85.

!   # Of Blank Lines Between Labels on Workfile

                You must designate the number of blank lines (from zero to nine) that appear
                between each label on the workfile.

!   # Of Labels per Row On NCC Labels

> If you specified an output choice of one or three column labels to be printed, you are required to designate whether you wish one column or three columns in this field. If you specify an output of plain paper, three columns will automatically be generated regardless of the value you enter in this field.

The second group of selection criteria consists of "geographic" criteria. You must specify if the report is to be a National report. If you choose "Y", you will retrieve data from the United States, its territories, and trust possessions. If you enter a "N" for National then you must specify further geographical information of Region, State, AQCR or Program/Status Area. You may further define the geographical area by specifying a county and/or city.

You also may chose to further select your labels on the basis of a field called Mailing Label Code. This is user-defined field that is resident on the Plant Mailing Label file. This is a very useful method to select your population by pre-determined conditions. Determine the plants that meet the specific selection condition and place a unique value in the Mailing Label Code field for each of those plants. When you run the Mailing Labels report, you can choose your group of plants by this code.

Instructions

Enter selection criteria into the available fields on the screen, or alter the previously saved criteria displayed on the screen if you wish. Press <ENTER> when you have finished entering or altering the criteria.

Refer to the AFS Data Dictionary and the AIRS User's Guide Codes And Values for the valid values to use for selection criteria.

Error Messages

The error messages listed below (in alphabetical order) are displayed at the top of the screen if you make a mistake in specifying information.

COMPLIANCE CONTACT NAME MUST BE 'C' OR 'E'.
> You did not specify the correct value for the Compliance/Emissions Contact Name field.

GEOGRAPHICAL SELECTION CRITERIA NOT ALLOWED FOR NATIONAL REPORT.
> You selected "Y" for a National report and also specified a Region or State. Do not specify Region or State for a National report.

INVALID AIR QUALITY CONTROL REGION.
> The value you specified for AQCR is not valid.

INVALID AIR QUALITY CONTROL REGION FOR STATE SPECIFIED.
> The value you specified for AQCR is not valid for the State you entered.

INVALID CITY CODE FOR AQCR SPECIFIED.
> The value you specified for City code is not valid for the AQCR you entered.

INVALID CITY FOR STATE SPECIFIED.
> You entered an invalid City code for the State you entered.

INVALID COUNTY CODE FOR AQCR SPECIFIED.
> The value you specified for County code is not valid for the AQCR you entered.

INVALID COUNTY FOR STATE SPECIFIED.
> You entered an invalid County code for the State you entered.

INVALID REGION CODE.
> You entered an invalid Region code.

INVALID STATE.
> You entered an invalid State code or abbreviation.

INVALID STATE FOR REGION SPECIFIED.
> The value you specified for State is not valid for the Region you entered.

PLEASE DO NOT ENTER BOTH PGM/STATUS AREA AND AQCR.
> You entered Program/Status Area and AQCR. This is an invalid combination; enter only one criteria.

PLEASE DO NOT ENTER BOTH PGM/STATUS AREA AND REGION.
> You entered Program/Status Area and Region. This is an invalid combination; enter only one criteria.

PLEASE ENTER A VALID PROGRAM/STATUS AREA.
> The Program/Status area you entered is not a valid value or you entered a Status Area value and entered spaces for Program.

PLEASE ENTER A VALID STATE AND PROGRAM/STATUS AREA.
> The State and Program/Status Area combination is not valid.

PLEASE ENTER A VALID STATE, COUNTY AND PROGRAM/STATUS AREA.
> The geographical criteria you specified is not a valid combination.

PLEASE ENTER A VALID STATE, COUNTY, CITY AND PROGRAM/STATUS AREA.
> The geographical criteria you specified is not a valid combination.

REGN, STTE, AQCR, OR PGM/STATUS AREA REQ'D IF NOT A NATIONAL RPT.
> You specified "N" for National report but did not specify any further geographical selection criteria.

REQUESTED FUNCTION KEY NOT ALLOCATED.
> You used a PF key that was not valid for this screen. The valid PF keys are displayed at the bottom of the screen and are PF3, PF4, and PF5.

STATE CODE REQUIRED IF CITY CODE IS SPECIFIED.
> You specified a City code and did not specify a State code for the city.

STATE CODE REQUIRED IF COUNTY CODE IS SPECIFIED.
> You specified a County code and did not specify a State code for the county.

THE # OF BLANK LINES BETWEEN LABELS MUST BE BETWEEN 0 & 9.
> You specified an invalid value for the # of Blank Lines field.

THE NUMBER OF LABELS PER ROW MUST BE '1' OR '3'.
> You entered an incorrect value in the # of Labels per Row field.

VALUE MUST BE 'Y' OR 'N'.
> You entered no value or an invalid value for Plant Site Address or National Report.

5.17.4   Workfile Description

The workfile for this report is constructed differently than the workfiles for the other reports. The workfile is an exact portrayal of a one-column label formatted report. It has introduction records that correspond to the selection criteria that you selected for the report. These records are the same as the first page of the report. The labels information is presented in the identical format as the report. An example of the workfile is shown in Figure 5-88.

```
        INTRODUCTION PAGE:
        684 - AFS MAILING LABELS
        USER IDENTIFICATION CODE : GDA
        CRITERIA SET NAME        : 684TEST1
        USER-SPECIFIED SELECTION CRITERIA:
        USE PLANT SITE ADDRESS IF NO MAILING DATA EXISTS (Y/N):  Y
        COMPLIANCE/EMISSIONS CONTACT NAME (C/E):  C
        # OF BLANK LINES BETWEEN LABELS ON WORKFILE (0-9):  1
        # OF LABELS PER ROW ON NCC LABELS (1/3):
        NATIONAL (Y/N):  N  SIP PROGRAM:      STATUS AREA:      MAILING LABEL CODE:
        REGION:  04  STATE:  37  AQCR:      COUNTY:  111  CITY:
                        37-111-00001-0001
         JERRY MCKINNEY
         COATS AMERICAN (AMERICAN THREAD)
         HIGHWAY 221 NORTH
         WOODLAWN, NC  28752

                        37-111-00011
         HAROLD BOYD
         BOYD CONTRACTORS
         HIWAY 70 WEST
         NOT IN A CITY, NC  28752

                        37-111-00021
         PHILIP H KLEIN
         GALEY & LORD CLINCHFIELD PLANT
         TANK & MAIN STREETS
         NOT IN A CITY, NC  28752

                        37-111-00024
         HOWARD F PLYLER PLAN
         COLLINS AND AIKMAN CORP
         DRAWER 669
         OLD FORT, NC  28762

                        37-111-00027-0027
         RALPH HALL
         CROSS MILLS INC
         CARSON STREET
         MARIAN, NC  28752

                        37-111-00031-0031
         RICHARD B WASHER
         DREXEL PLANT 2 MARION
         361 BLUE RIDGE STREET
         MARION, NC  28752
```

Figure 5-88 Report 684 Workfile Example

6.0   Batch Job Validation Procedures

When you send a Fixed Format report to the printer or to a workfile on the Report Destination screen (Section 4.3) you are requesting your report to be run as a batch job. This section explains how to read batch job output, how to determine when a batch job has executed, and how to determine if a batch job has completed its function successfully.

There are no facilities within AIRS/AFS for monitoring the status of batch jobs you submit. The National Computer Center (NCC) provides several facilities, or "processors", that you can use to check the status of batch jobs and to view the output before it is printed. The processor that is described in this section is known as SYSD.

6.1   Checking Batch Job Printed Output

The primary means of determining whether a batch job executed successfully, and whether it did what you wanted it to, is the printed output of the job. One of the first things you can check is the "JES2 job log", which is printed at the beginning of the output of all batch jobs. The format of the job log varies somewhat depending on whether the job ran successfully or not. If it did not run successfully the format can vary depending on the type of error and its cause.

An example of a job log of a successful job is shown in Figure 6-1. The condition code for this job is "0" which means that the job ran successfully and produced the requested output. You can determine the condition code by looking at the messages and locating the phrase "CODE   0".

```
         E S 2   J O B   L O G  --  S Y S T E M   E P A 2  --  N O D E   N C C I B M 1

13.39.43 JOB05834   ICH70001I GDA   LAST ACCESS AT 13:37:29 ON SUNDAY, SEPTEMBER 13, 1992
13.39.43 JOB05834   $HASP373 GDA615   STARTED - INIT 21 - CLASS Y - SYS EPAG
13.39.53 JOB05834   NCC802I GDA615 ENDED 09/13/92, CODE 0, ELAPSED:11, CPU04, EXCPS  7
13.39.53 JOB05834   $HASP395 GDA615    ENDED

------ JES2 JOB STATISTICS ------


    13 SEP 92 JOB EXECUTION DATE


          65 CARDS READ


         715 SYSOUT PRINT RECORDS


           0 SYSOUT PUNCH RECORDS


          58 SYSOUT SPOOL KBYTES


        0.18 MINUTES EXECUTION TIME
```

Figure 6-1   Example of a Successful Job

If the job did not run successfully, you might see the word "abend" or a non-zero condition code. Figure 6-2 shows an example of a "S322" error. This error is a common one and is caused by not allocating enough time for the job to run. This problem is easily corrected by providing more time for the job using the Time parameter on the Fixed Report JCL Parameters screen (Section 4.4).
In the example shown, you can see that "ABEND" occurred twice in the messages. You can tell what kind of abend it was by the phrase, "ABEND=S322", that appears in the messages.

```
          J E S 2   J O B   L O G  --  S Y S T E M   E P A 2  --  N O D E   N C C I B M 1

13.37.29 JOB05829  ICH70001I GDA  LAST ACCESS AT 13:34:20 ON SUNDAY, SEPTEMBER 13, 1992
13.37.29 JOB05829  $HASP373 GDA615  STARTED - INIT 21 - CLASS X - SYS EPAG
13.37.34 JOB05829  IEA848I NO DUMP WAS PRODUCED FOR THIS ABEND, DUE TO SYSTEM OR INSTALLATION REQUEST
13.37.34 JOB05829  IEF450I GDA615 STEP1 NATONE - ABEND=S322 U0000 REASON=00000000
13.37.34 JOB05829  NCC802I GDA615 ENDED 09/13/92, CODE *S000, ELAPSED:05, CPU:02,EXCPS 143
13.37.34 JOB05829  $HASP395 GDA615   ENDED

------ JES2 JOB STATISTICS ------

   13 SEP 92 JOB EXECUTION DATE

          65 CARDS READ

         206 SYSOUT PRINT RECORDS

           0 SYSOUT PUNCH RECORDS

          14 SYSOUT SPOOL KBYTES
```

Figure 6-2   Example of a Job Abend

Another error that you might receive is a "JCL" error. The phrase "JCL ERROR" will appear in the messages as shown in Figure 6-3.

```
          E S 2   J O B   L O G  --  S Y S T E M   E P A 2  --  N O D E   N C C I B M 1

 13.38.51 JOB05831  IEF452I GDA615   - JOB NOT RUN - JCL ERROR
 13.38.51 JOB05831  $HASP396 GDA615   TERMINATED

------ JES2 JOB STATISTICS ------

    13 SEP 92 JOB EXECUTION DATE

           53 CARDS READ

           75 SYSOUT PRINT RECORDS

            0 SYSOUT PUNCH RECORDS

            4 SYSOUT SPOOL KBYTES

         0.00 MINUTES EXECUTION TIME
```

Figure 6-3   Example of a JCL Error

In order to determine what the error was, you will need to read the JCL statements and messages that appear

on the subsequent pages of your job output after the JES2 job log.

A common cause for a JCL error is specifying an invalid format for a dataset name for a workfile. Using the example shown in Figure 6-4, the error is determined by going directly to the "STMT NO. MESSAGE". The information will provide a clue. The message shown for Statement 4 can always be ignored. The messages for Statement 3 and Statement 16 are the identical and pinpoint your problem. The message reads "FIRST CHARACTER OF NAME NOT ALPHABETIC OR NOT NATIONAL IN THE DSNAME FIELD". This means that your workfile (DSNAME is dataset name) was specified incorrectly with invalid characters. If you go up in the listing to JCL Statement 3 you will see that the dataset name (DSN) was specified as "GDASEIS.615RUN2.". This is an invalid format; dataset names should not end in a ".". The solution is to re-specify the workfile name on the Fixed Report JCL Parameters screen and resubmit the job.

If your job appears to have been successful, but no report is produced (or if the report doesn't look as expected -- less data or more than there "should be"), check your report selection and sort criteria to see if you might have incorrectly specified something.

If you receive an error and cannot figure out the problem and/or solution, contact the AFS Helpline for assistance.

```
     1 //GDA615    JOB (SEISAFSED,MGDA),'AFP615 615RUN2      ',               JOB05831
      //            MSGCLASS=A,
      //            PRTY=2,TIME=(0002,00),NOTIFY=GDA
      //*ROUTE   PRINT R255
      //*JOBPARM  LINES=5000
      //*ROUTE XEQ ZADABAS
      //*
     2 //DELETE  EXEC PGM=IEFBR14
     3 //DELDSN DD DSN=GDASEIS.615RUN2.,
      //      DISP=(MOD,DELETE,DELETE),
      //        UNIT=DISK,SPACE=(TRK,(500,200),RLSE),
      //        DCB=(RECFM=VB,LRECL=1000,BLKSIZE=6004)
      //*
     4 //NATONE   EXEC NATD,PARM=('MAINPR=1,MT=0'),COND=(0,LT)
     5 XXNATD     PROC PROG=NATDBTCH,          NATURAL PROGRAM NAME          00000010
      XX         REG='7168K',                 SYSOUT CLASS                  00000060
      XX         PRINT='*'                    SYSOUT CLASS                  00000060
      XX*                                                                   00000080
      XX****************************************************************    00000090
      XX*    06/07/88    DEVELOPMENT NATURAL V2 BATCH PROC        *         00000100
      XX****************************************************************    00000100
      XX*    PROCEDURE TO EXECUTE NATURAL VERSION 2 IN BATCH.      *         00000110
      XX*    DOCUMENTATION TO USE THIS PROCEDURE CAN BE FOUND      *         00000120
      XX*    IN 'JUSD.UTILITY.DATA(ADANATB)'                       *         00000130
      XX****************************************************************    00000140
      XX*                                                                   00000150
     6 XXSTEP1    EXEC PGM=&PROG,                                           00000160
      XX           REGION=&REG                                              00000160
      IEFC653I SUBSTITUTION JCL - PGM=NATDBTCH,REGION=7168K
     7 XXDDCARD    DD DSN=SYS2.ADABAS.DEV.PARM(RUNDEVM),                    00000180
      XX           DISP=SHR                                                 00000180
     8 XXSYSOUT   DD SYSOUT=&PRINT                                          00000350
      IEFC653I SUBSTITUTION JCL - SYSOUT=*
     9 //CMPRINT  DD SYSOUT=P
      X/CMPRINT  DD SYSOUT=&PRINT                                           00000350
      IEFC653I SUBSTITUTION JCL - SYSOUT=*
    10 //CMSYNIN  DD    *
      X/CMSYNIN  DD DDNAME=SYSIN                                            00000440
    11 //CMWKF06 DD DSN=&UNSORT,DISP=(NEW,PASS),
      //   UNIT=DISK,SPACE=(TRK,(500,200),RLSE),
      //      DCB=(RECFM=VB,LRECL=1000,BLKSIZE=6004)
    12 //CMWKF05 DD *
    13 //CMPRT01  DD SYSOUT=*,COPIES=1
    14 //SORT     EXEC PGM=SORT,COND=(0,LT)
    15 //SORTIN    DD DSN=&UNSORT,DISP=(OLD,DELETE),
      //      DCB=(RECFM=VB,LRECL=1000,BLKSIZE=6004)
    16 //SORTOUT DD DSN=GDASEIS.615RUN2.,DISP=(NEW,CATLG),
      //   UNIT=DISK,SPACE=(TRK,(500,200),RLSE),
      //      DCB=(RECFM=VB,LRECL=1000,BLKSIZE=6004)
    17 //SORTWK01 DD UNIT=SYSDA,SPACE=(TRK,(100))
    18 //SORTWK02 DD UNIT=SYSDA,SPACE=(TRK,(100))
    19 //SORTWK03 DD UNIT=SYSDA,SPACE=(TRK,(100))
    20 //SORTWK04 DD UNIT=SYSDA,SPACE=(TRK,(100))
    21 //SORTWK05 DD UNIT=SYSDA,SPACE=(TRK,(100))
    22 //SORTWK06 DD UNIT=SYSDA,SPACE=(TRK,(100))
    23 //SYSIN    DD   *
    24 //SYSOUT   DD SYSOUT=P
      //*
    25 //CMPRT01  DD SYSOUT=*,COPIES=1
    26 //
STMT NO. MESSAGE
     4 IEFC001I PROCEDURE NATD WAS EXPANDED USING SYSTEM LIBRARY SYS1.DBPROC
     3 IEF647I FIRST CHARACTER OF NAME NOT ALPHABETIC OR NOT NATIONAL IN THE DSNAME FIELD
    16 IEF647I FIRST CHARACTER OF NAME NOT ALPHABETIC OR NOT NATIONAL IN THE DSNAME FIELD
```

Figure 6-4   Example of JCL Error Problem Determination

6.2   Accessing SYSD

You access SYSD from CICS. This means that you request it on the EPA CICS Menu System Screen. You receive this screen when you terminate your AIRS session and before you terminate your CICS session. Type "SYSD" on the screen at the Command prompt and press <ENTER>. See Figure 6-5.

[Please note that there are other ways to retrieve the EPA CICS Menu System screen, but they are not discussed in this manual. The procedures presented here are designed for the most common usage of executing retrievals within AIRS/AFS and then terminating the AIRS/AFS session to check job and output status.]

```
  ZZMNMP1              U.S. Environmental Protection Agency         Date: 09/08/92
                          Production   CICS Menu System              Time: 14:31:45
                                                                  Terminal: T060055

  XX      XX    XXXXXX    XXXXXX        XX    XXXXXX    XXXXX    XXXXXX    XXXXXX
  XXX     XX   XXXXXXXX  XXXXXXXX       XX   XXXXXXXX   XXXXX   XXXXXXXX  XXXXXXXX
  XXXX    XX   XXX         XXX         XX   XXX          XXX   XXX         XXX
  XX XX   XX   XXX         XXX         XX   XXX          XXX   XXX          XXX
  XX   XX XX   XXX         XXX        XX    XXX          XXX   XXX          XXX
  XX    XXXX   XXX         XXX        XX    XXX          XXX   XXX            XXX
  XX     XXX   XXXXXXXX  XXXXXXXX  XX        XXXXXXXX   XXXXX   XXXXXXXX  XXXXXXXX
  XX      XX    XXXXXX    XXXXXX  XX          XXXXXX    XXXXX    XXXXXX    XXXXXX

   Please enter selection or command and then press ENTER.

     1. INFORMATION    News Alerts and User Memos
     2. SIGN-ON        Change CICS Sign-on Parameters
     3. APPLICATIONS   EPA Applications Menu for CICS
     4. EXIT           Exit CICS and return to EPA Menu System


  Command  ===> sysd
  F1/F13=Help   F3/F15=Exit   F10/F22=Lock    F12/F24=CICS <cmd>
```

Figure 6-5   EPA CICS Menu System Screen

6.2.1   The SYSD Primary Option Menu

The first SYSD screen is the "Primary Option Menu", shown in Figure 6-6. You use it to select the various options for the functions that SYSD can perform. You select an option on the menu by typing its code after the INPUT===> prompt and pressing <ENTER>.

```
       ----------------- CPMS/SYSD PRIMARY OPTION MENU -----------------   (1/1)
     INPUT ===>                                                      SCROLL: PAGE
                                                          USER    - GDASEIS
       0 - PARMS    - Specify CPMS/SYSD parameters        DATE    -  9/13/92
       1 - BROWSE   - Display source data                 TIME    - 13:41:47
       2 - EDIT     - Create or change source data        TERMINAL - P027
       3 - UTIL     - Perform utility functions
       4 - ACTIVE   - Display active jobs
       5 - N        - Display jobs in the input and output queue
       6 - O        - Display jobs in the output queue
       7 - PRINTER  - Display/change a printer's status
       8 - JFT      - Job/file tailoring
       C - CICS     - Enter CICS transactions
       T - TUTORIAL - Display information about CPMS/SYSD
       U - USER     - Perform user file maintenance
       X - END      - Terminate CPMS/SYSD session




     PRESS END KEY TO TERMINATE CPMS/SYSD.
```

Figure 6-6   SYSD Primary Option Menu

When you use SYSD for the first time, you should select the first menu option, "Specify CPMS/SYSD parameters" to pre-set some system parameters. This option is explained in Section 6.2.2. You use it to specify the categories of jobs SYSD will display and the actions of PF keys.

SYSD menu options 4, 5, and 6 allow you to retrieve information about batch jobs. The most useful of those is option 5, "Display jobs in the output and output queues". With it you can determine your job's position in the input and output queues and estimate when it will execute or print. You can also look at the output generated by your jobs and route the output to the printer site of your choice if you have used the HOLD=Y option on the Fixed Format Reports JCL Parameters screen (See Section 4.10).

This section will explain the use of Option 5. Options 4 and 6 operate in very similar manners; information in this section is applicable to using them. For more information about SYSD and the complete operation, contact the National Computer Center.

6.2.2   Setting Your SYSD Profile

The first time you use SYSD, you should choose option 0 (zero) "Parms" on the SYSD Primary Option Menu (Figure 6-6) and establish your SYSD profile settings. SYSD saves your profile and recalls it whenever you use SYSD. For purposes of checking job status, the most important part of your profile is the set of parameters used for selecting which batch jobs SYSD displays. Essentially, you can choose to see all jobs or just your own. Since SYSD does not have a "find" command that would allow you to locate your job(s) in the list of all jobs, you should limit the display to only your jobs.

When you select the "Parms" option, SYSD displays the SYSD Parameter Options Menu shown in Figure 6-7. Choose the "Display/change JES and list defaults" option by typing "1" at the INPUT===> prompt and pressing <ENTER>. The JES/List Parameter Definitions screen will appear next. Use the following instructions to specify your SYSD profile as shown in Figure 6-8:

1.   Tab to the SCROLL field at the top right corner of the screen and type "PAGE". With this setting, job lists and job output scroll up or down by one screen of data at a time when you use <PF7> or <PF8>. You could also enter "half", which scrolls by a half screen of data at a time.

2.   Tab to the Job Prefix field and type your User ID. Tab to the next field on the same line, which is under the USE heading, and type "Y". With these two specifications, SYSD displays only your jobs when you choose options 4, 5, or 6 from the SYSD Primary Options Menu. If at some time you want to display all jobs, simply return to this screen and change the "Y" following your User ID in the USE column to "N".

3.   Enter a space in the Class field and a "Y" in its USE field.

4.   Enter a space in the Destination field and a "N" in its USE field.

4.   Enter "N" for the two fields labeled Display SYSIN and Display TSO/STC.

5.   Press <PF3>. This causes SYSD to check your specifications, save them and return to the SYSD parameter options menu. Press <PF3> again to return to the SYSD Primary Option Menu.

6.   If an error message appears on the screen when you press <PF3>, try to correct the problem and press <ENTER>. You can press <PF1> to obtain SYSD online help. If that is not sufficient, contact the AFS Helpline for assistance.

```
        ----------------- CPMS/SYSD PARAMETER OPTIONS ------------------    (1/1)
INPUT ===> 1                                                        SCROLL: PAGE
                                                       USER    - GDASEIS
 0 - GENERAL  - Display/change general parameters      DATE   -  9/13/92
 1 - LIST     - Display/change JES and list defaults   TIME   - 13:50:40
 2 - PF       - Display/change PF key assignments      TERMINAL - P027
 3 - JFTPANEL - Set initial JFT panel to display
 4 - QUEUEIDs - Set GET/PUT TS queue identifiers
 5 - PRINTPRM - Set PRINT parameters
 X - END      - Return to main menu
```

Figure 6-7   SYSD Parameter Options Menu

```
       ----------------- JES/LIST PARAMETER DEFINITIONS ------------------  (1/1)
INPUT ===>                                                         SCROLL: PAGE
                                                       USER    - GDASEIS


PRINT CONTROL:
    Printer identifier ==>        Printer display (Cpms/Jes2) ==> C

JOB SELECTION CRITERIA:        USE:
    Job prefix    ==> GDA          Y
    Class         ==>              N
    Destination   ==>              N
    Display SYSIN ==> N            Display TSO/STC ==> N

JOB STATEMENT INFORMATION:
 ==>
 ==>
 ==>
 ==>
```

Figure 6-8   JES/List Parameter Definitions Screen

6.3   Checking Batch Job Status/Output

SYSD allows you to determine which batch jobs are waiting for processing (listed on the "input queue") and which jobs are processed and available for printing (listed on the "output queue"). Review of input and output queues is available by selecting Option 5 on the SYSD Primary Option Menu, as shown in Figure 6-9, and pressing <ENTER>.

```
      ----------------- CPMS/SYSD PRIMARY OPTION MENU -----------------   (1/1)
    INPUT ===> 5                                                   SCROLL: PAGE
                                                     USER    - GDASEIS
      0 - PARMS    - Specify CPMS/SYSD parameters     DATE    -  9/13/92
      1 - BROWSE   - Display source data              TIME    - 13:41:47
      2 - EDIT     - Create or change source data     TERMINAL - P027
      3 - UTIL     - Perform utility functions
      4 - ACTIVE   - Display active jobs
      5 - N        - Display jobs in the input and output queue
      6 - O        - Display jobs in the output queue
      7 - PRINTER  - Display/change a printer's status
      8 - JFT      - Job/file tailoring
      C - CICS     - Enter CICS transactions
      T - TUTORIAL - Display information about CPMS/SYSD
      U - USER     - Perform user file maintenance
      X - END      - Terminate CPMS/SYSD session




    PRESS END KEY TO TERMINATE CPMS/SYSD.
```

Figure 6-9   SYSD Primary Option Menu

6.3.1   SYSD Job Queue Display Screen - Description

The result of requesting Option 5 on the SYSD Primary Option Menu is the Job Queue Display screen shown in Figure 6-10.

```
 13:53:52 -------------- MVS/JES2 JOB QUEUE DISPLAY --------------------(1/1)
 INPUT ===>                                                    SCROLL: PAGE

O JOB#    JOBNAME  STA XHA PRI HELD      PRT            PUN
  J6598  GDA634    PPU      1             R0255          LOCAL
  J6613  GDA634    PPU      1             R0255          LOCAL
  J6631  GDA634    PPU      1             R0255          LOCAL
  J6647  GDA634    PPU      1             R0255          LOCAL
  J5829  GDA615    PPU      1             R0255          LOCAL
  J5831  GDA615    PPU      1             R0255          LOCAL
  J5834  GDA615    PPU      1             R0255          LOCAL
  * * * END OF DATA * * *






  A=release C=cancel D=delete H=hold O=output P=print S=select T=route V=view
```

Figure 6-10 Job Queue Display Screen

If your SYSD profile is set as recommended in Section 6.2.2, only your jobs are displayed. Otherwise, all jobs are shown, and you must scroll through the list using <PF8> (down/forward) and <PF7> (up/backward) to find your jobs. There is no command available that finds a particular job or type of job in the list.

The identity and status of jobs are presented in several columns across the Job Queue Display screen. The following information is displayed:

O	The options column, in which you specify what you want to do.
JOB#	The job number assigned by the computer system. A unique number is assigned for each job submitted.
JOBNAME	The job name assigned by the Fixed Format report (User ID + Report Number).
STA	The status of the job. The two usual status codes are:
X**	The job is in the input queue for job class "x" (A** for class A, for example), and is either awaiting execution or is executing, as indicated by the XHA column (see below).
PPU	The job has executed and is in the print/punch output queue.
XHA	Additional job status information. The two usual values are "W", meaning the job is waiting to execute, and "1" meaning the job is executing on CPU Number 1.
PRI	The priority of the job within its queue.
HELD	The number of held datasets in the job's output.
PRT	The destination of printed output.
PUN	The destination of punched output.

Using the data shown on the screen in Figure 6-11 for JOB# J3622 as an example, the following information is interpreted as:

JOBNAME = GDA615 User ID GDA submitted Fixed Format report 615.

STA = PPU	The job has executed and is in the output queue.
PRT = R0255	The job is on printer R0255 which is the printer designation for the hold queue.

```
   9:07:27 -------------- MVS/JES2 JOB QUEUE DISPLAY --------------------(1/1)
 INPUT ===>                                                       SCROLL: PAGE

 O JOB#   JOBNAME  STA XHA PRI HELD       PRT          PUN
   J3622  GDA615   PPU      1             R0255        LOCAL
   * * * END OF DATA * * *

















 A=release C=cancel D=delete H=hold O=output P=print S=select T=route V=view
```

Figure 6-11 Job Queue Display Screen

Near the top of the screen, "INPUT===>" is the command entry field. It is used for specifying commands to move from one screen to another. Most commands also have a PF key equivalent that can be used. The following table describes the available commands.

Table 6-1 SYSD Scroll Commands

COMMAND	PF KEY COMMAND	ACTION
UP	PF7	Moves the window toward the beginning of the dataset.
DOWN	PF8	Moves the window toward the end of the dataset.
RIGHT	PF10	Moves the window toward the beginning of the lines of output.
LEFT	PF11	Moves the window toward the end of the lines of output.
TOP		Moves the window to the first line of the dataset.
BOTTOM		Moves the window to the last line of the dataset.

If you type "right" at the INPUT===> prompt on the Job Queue Display screen and press <ENTER>, more information will be displayed about your jobs.

The most useful are:

      PROGRAMMER NAME   The job's Fixed Format report criteria set name.

      #LINES   The number of lines in your output.

See Figure 6-12 for an example.

```
   8:58:07 -------------- MVS/JES2 JOB QUEUE DISPLAY --------------------(1/1)
 INPUT ===>                                                        SCROLL: PAGE

 O JOB#   JOBNAME   EC MC   PROGRAMMER NAME      DATE     TIME     #LINES
   J3622  GDA615     U A AFP615 615DELET       9/16/92  8:32:14    553
                        * * * END OF DATA * * *












 A=release C=cancel D=delete H=hold O=output P=print S=select U=update V=view
```

Figure 6-12 Job Queue Display Screen (Second Level Information)

6.3.2   SYSD Job Queue Display Screen - Usage

At the bottom of the screen is a list of the functions you can perform on your jobs. You cannot apply any of these functions to jobs that are not yours.

When your jobs are listed on the screen, you can perform these functions against them. The exception is PRINT, which does not work. To use one of the functions:

1.   Tab to the options field (the "O" column) beside the Job # of interest.

2.   Type the letter code of the function you want to use. The cursor will automatically move to the PRT column on the same line.

3.   If you selected the ROUTE function, type the desired destination of your output in the PRT column, replacing what was there. Use site-IDs such as "LOCAL", "R321", or "N7R100".

          If you have selected any function, other than ROUTE, proceed to Step 4.

4.   Press <ENTER>.

The screen does not show the effects of what you did immediately. It appears as if the function you entered was completely ignored. Wait about five seconds and press <ENTER> again and the effects of your commands will show. Although SYSD processes your command right away, it only "reads" the status of your jobs about every five seconds. So when using SYSD, you will almost always have to press <ENTER> once to issue a command and then press <ENTER> again a few seconds later to see the results.

If you make a mistake, SYSD displays an error message under the INPUT===> prompt. Figure 6-13 shows the effects of typing the wrong function code in the Options column. After typing "B" and pressing <ENTER>, SYSD displayed the error message "E0002-ONE OR MORE INVALID LINE OPTIONS WERE FOUND" and highlighted the invalid function code. At this point, the only tab stop in the Options column is at the invalid code field. You can tab to the invalid code to change it. Otherwise, by pressing <ENTER>, the invalid code is erased and the screen returns to normal with a tab stop beside each job listed. You can tab to the Job # of interest and specify your option again.

When you have finished using the SYSD Job Queue Display screen, press <PF3> to return to the SYSD Primary Option Menu.

```
  14:00:04 -------------- MVS/JES2 JOB QUEUE DISPLAY -------------------(1/1)
 INPUT ===>                                                    SCROLL: PAGE
 E0002 - ONE OR MORE INVALID LINE OPTIONS WERE FOUND
 O JOB#   JOBNAME  STA XHA PRI HELD      PRT        PUN
   J6598  GDA634   PPU      1            R0255      LOCAL
   J6613  GDA634   PPU      1            R0255      LOCAL
 B J6631  GDA634   PPU      1            R0255      LOCAL
   J6647  GDA634   PPU      1            R0255      LOCAL
   J5829  GDA615   PPU      1            R0255      LOCAL
   J5831  GDA615   PPU      1            R0255      LOCAL
   J5834  GDA615   PPU      1            R0255      LOCAL
   * * * END OF DATA * * *




 A=release C=cancel D=delete H=hold O=output P=print S=select T=route V=view
```

Figure 6-13 Example of Invalid Command Issued

6.3.3   SYSD Job Queue Display Screen - Function

Nine functions are listed at the bottom of the SYSD Job Queue Display screen. Brief descriptions of the functions are given below.

RELEASE (R)   Reverses the effect of the HOLD function. This makes a job in the input queue available for execution or a job in the output queue available for printing.

NOTE: If you submitted a job and specified that the output was to be held, you cannot print the output using RELEASE. You must use the ROUTE function.

CANCEL (C)   Removes a job from the input queue or aborts a job that is executing. Its output is placed in the output queue. This function has no effect on jobs in the output queue.

DELETE (D)   Removes a job from the input queue or aborts a job that is executing. This command also deletes the job's output from the output queue. This function is irreversible; once you have deleted the output it cannot be recovered.

HOLD (H)   Retains a job in its present queue, either input or output. A held job in the input queue will not be executed; one in the output queue will not be printed. The hold condition is removed by the RELEASE function.

OUTPUT (O)   Displays a job's output elements (#LINES and GROUPID).

PRINT (P)   This function is not active. Do not use it.

ROUTE (T)   Changes the destination of job output. The most common use for this feature is printing the "held" output of a job, which is identified by "HOLD" in the PRT column of the display. To print held output, tab to the "O" column beside the Job # and type "T". The cursor will automatically position you to the PRT column. Type the remote side ID, such as "R321", and press <ENTER>. The screen will appear unchanged. After about five second, press <ENTER> again and the print destination you entered will be displayed in the PRT column.

SELECT (S)   Displays a list of a job's "print" datasets. These are the various parts of the printed output, such as JCL listing and job log. This function can be used for jobs in either the input queue or the output queue.

VIEW (V)   Displays the content of a job's "print" datasets. This function can be used for jobs in either the input queue or the output queue.

Unlike the other functions, the results of using SELECT and VIEW are displayed immediately. You do not have to press <ENTER> twice to SELECT or VIEW a job's datasets.

6.3.4   SYSD Job Dataset Display Screen

The Job Dataset Display screen, shown in Figure 6-14, appears when you use the SELECT function of
SYSD's Job Queue. The Job Dataset Display screen identifies and describes each part of a SELECTed job's
printed output, and allows you to view the content of any of them. The job's name and number are shown in
the top line of the screen following the screen title. The body of the screen has a line of information for each
logical part (dataset) of the job's output.

```
          ----------- MVS/JES2 JOB DATASET DISPLAY - GDA615  /J03622 ----------(1/1)
   INPUT ===>                                                       SCROLL: PAGE

   O    DSN DDNAME    STEPNAME PROCNAME HSNC  NUMLIN RECFM  LRECL
        CC  *** CONDITION CODES DISPLAY ***
        LOG JESMSGLG  JES2              A        13 UA      133
        JCL JESJCL    JES2              A        79 F       132
        MSG JESYSMSG  JES2              A       225 VA      133
        101 CMSYNIN   NATONE   STEP1    NA        5 F        80
        102 CMWKF05   NATONE   STEP1    NA        4 F        80
        103 SYSIN     SORT              NA        2 F        80
        104 CMSYNIN   NATTWO   STEP1    NA        5 F        80
        105 CMWKF07   NATTWO   STEP1    NA        6 F        80
        106                             NA        1 F        80
        108 CMPRINT   NATONE   STEP1    P        36 FBA     250
        110 SYSOUT    SORT              P        12 FA      121
        112 CMPRINT   NATTWO   STEP1    P        36 FBA     250
        113 CMPRT01   NATTWO   STEP1    A       159 UA      251
     * * * END OF DATA * * *




   OPTIONS ==>  P = PRINT, V = VIEW
```

Figure 6-14 Job Dataset Display Screen

The information is presented in columns. The more significant ones are:

O	The options column. You may enter the "V" option to view the content of a dataset. (The "P" [print] option listed at the bottom of the screen does not work; do not use it.)
DSN	The dataset identifier name (name). The datasets identified as CC, JCL, LOG and MSG are generated by the computer system for each job. Datasets identified by three-digit numbers are generated by programs executed in the job.
HSNC	Status information. An "N" in this column indicates the HOLD function was used on this job. The job class assigned by the computer system is shown under the letter "C" in the column heading.
NUMLIN	The number of lines in the dataset.
LRECL	The logical record length for the output dataset.

In the event that a job has more datasets than will fit on one screen, you may use <PF8> and <PF7> to scroll
forward and backward through the list. Besides looking at the list of output datasets, the only thing you can
do on the job datasets display screen is select a dataset to view. If there is a dataset you want to look at,
<TAB> to the options column beside the dataset on the screen, type "V", and press <ENTER>. That will
invoke the SYSD "spool display" screen which is described in Section 6.3.5.

When you have finished using this screen, you press <PF3> to return to the Job Queue or Job Output display screen where you "came from".

6.3.5   SYSD Spool Display Screen

The SYSD "Spool Display" screen shows the content of a job's printable output datasets. It appears when you use the VIEW function of SYSD's Job Queue, Job Output, and Dataset Display screens. A typical spool display screen is shown in Figure 6-15.

```
         --------------- MVS/JES2 SPOOL DISPLAY - GDA615   /J03622 ------------(1/1)
 INPUT ===>                                                       SCROLL: PAGE

 DSN= LOG   LINE= 0000001  SIZE= 0000013  COLS= 001 080  LRECL= 133 CAPS ON
1                     J E S 2  J O B  L O G  --  S Y S T E M  E P A G  --  N O D
0
 08.32.16 JOB03622   ICH70001I GDA     LAST ACCESS AT 08:28:35 ON WEDNESDAY, SEP
 08.32.16 JOB03622   $HASP373 GDA615   STARTED - INIT  5 - CLASS U - SYS EPAG
 08.32.30 JOB03622   NCC802I GDA615   ENDED 09/16/92, CODE    0, ELAPSED     :1
 08.32.30 JOB03622   $HASP395 GDA615   ENDED
0------ JES2 JOB STATISTICS ------
-    16 SEP 92 JOB EXECUTION DATE
-           65 CARDS READ
-          560 SYSOUT PRINT RECORDS
-            0 SYSOUT PUNCH RECORDS
-           42 SYSOUT SPOOL KBYTES
-         0.24 MINUTES EXECUTION TIME
```

Figure 6-15 SYSD Spool Display Screen

The top line displays the screen title and shows the jobname and job number. The next line contains the primary command input and scroll amount fields. Below that line is a line giving dataset information and display status in several fields including:

DSN	Dataset identifier (like the "Job Dataset" screen).
LINE	Line number of the first line of output on the screen.
SIZE	Total number of lines in the dataset.
COLS	Leftmost and rightmost columns of the output on the screen.
LRECL	Length of lines in the dataset.

You may enter values in the DSN, LINE, and COLS fields to switch among datasets and to display particular lines and columns of the output. Beneath the DSN line, 20 lines of job output are displayed on the screen.

The spool display screen acts as a window through which you view the job output. You can move the window (or scroll the output) to see other parts. You can enter a command in the primary input field at the INPUT===> prompt or use the PF key allocated for the command. Refer to Table 6-1 for the commands.

In many output datasets, the first character of each line is a code for controlling vertical spacing of the paper when printing takes place. SYSD does not use that information, so the spacing of lines on the screen may not correspond to the spacing of the printed output.

When you have finished using the spool display screen, you can use <PF3> to return to the previous screen.

6.4   Terminating SYSD

When you are finished using SYSD, you must terminate it. You can do that from any SYSD screen.

If the Primary Option Menu is displayed, you can terminate SYSD by:

-       pressing <PF3>, or

-       typing "X" in the primary command field (after the "INPUT===>" prompt) and then pressing <ENTER>.

If any other SYSD screen is displayed, you terminate SYSD by typing "=x" in the primary command input field and then pressing <ENTER>. You can also terminate SYSD by pressing <PF3> until you get to the Primary Option Menu and use one of the termination methods explained above.

When SYSD terminates, the screen clears and you are returned to CICS to the EPA CICS Menu System screen. At that point, you may go back into AIRS by typing "AIRS" at the prompt and pressing <ENTER>, or you may logoff of CICS by typing "4" at the prompt and pressing <ENTER>.